

- Swiss Banking

Supplemental Interest Rates, Risk Free Rates (RFR) and EONIA Definitions – Floating Rate Options List

October 2023

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1. SARON

Floating Rate Option(s)	<p>“CHF-SARON” means that the rate for a Reset Date will be SARON as provided by the administrator of SARON to, and published by, authorized distributors of SARON in respect of that day at or after 6:00 p.m., Zurich time (or any amended publication time as specified by the administrator of SARON in the SARON benchmark methodology), on the SARON Fixing Day, as calculated pursuant to the applicable Overnight Rate Compounding Method or Overnight Rate Averaging Method.</p> <p>“CHF-SARON-OIS-Compound” or “CHF-SARON-Compound” means that the rate for a Reset Date will be the rate calculated in respect of SARON according to the OIS Compounding method.</p>
Underlying Benchmark	<p>«Underlying Benchmark» means SARON.</p>
Fixing Day	<p>“SARON Fixing Day” means, in respect of SARON and a Reset Date, that day (or any amended publication day for SARON as specified by the administrator of SARON in the SARON benchmark methodology).</p>
Corrections	<p>If that rate is subsequently corrected and provided by the administrator of SARON to, and published by, authorized distributors of SARON within the longer of one hour of the time when such rate is first published by authorized distributors of SARON and the republication cut-off time for SARON, if any, as specified by the administrator of SARON in the SARON benchmark methodology then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.</p>
Rounding	<p>Rounding shall be made to the nearest one ten-thousandth of a percentage point (0.0001%).</p>
Temporary Non-Publication of SARON	<p>Subject to the below, if SARON in respect of the Reset Date is not published by the administrator of SARON or an authorized distributor and is not otherwise provided by the administrator of SARON by either (A) the SARON Fixing Day or (B) such other date on which SARON is required, then the rate for that Reset Date will be the last provided or published SARON.</p>

A SARON Index Cessation Effective Date	If a SARON Index Cessation Event occurs, the rate for a SARON Fixing Day occurring on or after the SARON Index Cessation Effective Date will be the NWG Recommended Rate.
Temporary Non-Publication of NWG Recommended Rate	If there is an NWG Recommended Rate before the end of the first Zurich Banking Day following the SARON Index Cessation Effective Date but neither the administrator nor authorized distributors provide or publish the NWG Recommended Rate, then, subject to the below, in respect of any day for which the NWG Recommended Rate is required, references to the NWG Recommended Rate will be deemed to be references to the last provided or published NWG Recommended Rate. However, if there is no last provided or published NWG Recommended Rate, then in respect of any day for which the NWG Recommended Rate is required, references to the NWG Recommended Rate will be deemed to be references to the last provided or published SARON.
No NWG Recommended Rate or NWG Recommended Rate Index Cessation Effective Date	If: (A) there is no NWG Recommended Rate before the end of the first Zurich Banking Day following the SARON Index Cessation Effective Date; or (B) there is an NWG Recommended Rate and an NWG Recommended Rate Index Cessation Effective Date subsequently occurs, then the rate for a SARON Fixing Day occurring on or after the SARON Index Cessation Effective Date or an NWG Recommended Rate Fixing Day occurring on or after the NWG Recommended Rate Index Cessation Effective Date (as applicable) will be the Modified SNB Policy Rate.
Temporary Non-Publication of SNB Policy Rate	If neither the administrator nor authorized distributors provide or publish the SNB Policy Rate and an SNB Policy Rate Index Cessation Effective Date has not occurred, then in respect of any day for which the SNB Policy Rate is required, references to the SNB Policy Rate will be deemed to be references to the last provided or published SNB Policy Rate.
Definitions	
“Modified SNB Policy Rate” means a rate equal to the SNB Policy Rate plus the SNB Spread.	
“NWG Recommended Rate” means the rate (inclusive of any spreads or adjustments) recommended as the replacement for SARON by any working group or committee in Switzerland organized in the same or a similar manner as the National Working Group on Swiss Franc Reference Rates that was founded in 2013 for purposes of, among other things, considering proposals to reform reference interest rates in Switzerland, and as provided by the administrator of that rate or, if that rate is not provided by the administrator thereof (or a successor administrator), published by an authorized distributor.	
“NWG Recommended Rate Fixing Day” means, in respect of the NWG Recommended Rate and a Reset Date, the publication day specified by the administrator of the NWG Recommended Rate for the NWG Recommended Rate in its benchmark methodology.	
“NWG Recommended Rate Index Cessation Effective Date” means, in respect of the NWG Recommended Rate and an NWG Recommended Rate Index Cessation Event, the first date on which the NWG Recommended Rate would ordinarily have been provided and is no longer provided.	
“NWG Recommended Rate Index Cessation Event” means, in respect of the NWG Recommended Rate: (A) a public statement or publication of information by or on behalf of the administrator of the NWG Recommended Rate announcing that it has ceased or will cease to provide the NWG Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the NWG Recommended Rate; or	

- (B) a public statement or publication of information by the regulatory supervisor for the administrator of the NWG Recommended Rate, the central bank for the currency of the NWG Recommended Rate, an insolvency official with jurisdiction over the administrator of the NWG Recommended Rate, a resolution authority with jurisdiction over the administrator of the NWG Recommended Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the NWG Recommended Rate, which states that the administrator of the NWG Recommended Rate has ceased or will cease to provide the NWG Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the NWG Recommended Rate.

“SARON” means the Swiss Average Rate Overnight (SARON) administered by SIX Index AG (or any successor administrator).

“SARON Index Cessation Effective Date” means, in respect of SARON and a SARON Index Cessation Event, the first date on which SARON would ordinarily have been provided and is no longer provided.

“SARON Index Cessation Event” means, in respect of SARON:

- (A) a public statement or publication of information by or on behalf of the administrator of SARON announcing that it has ceased or will cease to provide SARON permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide SARON; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of SARON, the central bank for the currency of SARON, an insolvency official with jurisdiction over the administrator of SARON, a resolution authority with jurisdiction over the administrator of SARON or a court or an entity with similar insolvency or resolution authority over the administrator of SARON, which states that the administrator of SARON has ceased or will cease to provide SARON permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide SARON.

“SNB Policy Rate” means the policy rate of the Swiss National Bank.

“SNB Policy Rate Index Cessation Effective Date” means, in respect of the SNB Policy Rate and a SNB Policy Rate Index Cessation Event, the first date on which the SNB Policy Rate would ordinarily have been provided and is no longer provided.

“SNB Policy Rate Index Cessation Event” means, in respect of the SNB Policy Rate:

- (A) a public statement or publication of information by or on behalf of the administrator of the SNB Policy Rate announcing that it has ceased or will cease to provide the SNB Policy Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the SNB Policy Rate; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of the SNB Policy Rate, the central bank for the currency of the SNB Policy Rate, an insolvency official with jurisdiction over the administrator of the SNB Policy Rate, a resolution authority with jurisdiction over the administrator of the SNB Policy Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the SNB Policy Rate, which states that the administrator of the SNB Policy Rate has ceased or will cease to provide the SNB Policy Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the SNB Policy Rate.

“SNB Spread” means:

- (A) if no NWG Recommended Rate is recommended before the end of the first Zurich Banking Day following the SARON Index Cessation Effective Date, the historical median between SARON and the SNB Policy Rate over an observation period of two years starting two years prior to the day on which the SARON Index Cessation Event occurs and ending on the Zurich Banking Day immediately preceding the day on which the SARON Index Cessation Event occurs; or
- (B) if an NWG Recommended Rate Index Cessation Event occurs, the historical median between the NWG Recommended Rate (or, in the absence of the NWG Recommended Rate, SARON) and the SNB Policy Rate over an observation period of two years starting two years prior to the day on which the NWG Recommended Rate Index Cessation Event occurs and ending on the Zurich Banking Day immediately preceding the day on which the NWG Recommended Rate Index Cessation Event occurs, in each case, as determined by the Calculation Agent.

2. SONIA

Floating Rate Option(s)	<p>“GBP-SONIA” means that the rate for a Reset Date will be SONIA as provided by the administrator of SONIA to, and published by, authorized distributors of SONIA in respect of that day as of 9:00 a.m., London time (or any amended publication time as specified by the administrator of SONIA in the SONIA benchmark methodology), on the SONIA Fixing Day, as calculated pursuant to the applicable Overnight Rate Compounding Method or Overnight Rate Averaging Method.</p> <p>“GBP-SONIA-OIS-Compound” or “GBP-SONIA-Compound” means that the rate for a Reset Date will be the rate calculated in respect of SONIA according to the OIS Compounding method.</p>
Underlying Benchmark	<p>“Underlying Benchmark” means SONIA.</p>
Fixing Day	<p>“SONIA Fixing Day” means, in respect of SONIA and a Reset Date, the London Banking Day immediately following that day (or any amended publication day for SONIA as specified by the administrator of SONIA in the SONIA benchmark methodology).</p>
Corrections	<p>If that rate is subsequently corrected and provided by the administrator of SONIA to, and published by, authorized distributors of SONIA:</p> <ul style="list-style-type: none"> (A) by the republication cut-off time for SONIA specified by the administrator of SONIA in the SONIA benchmark methodology; or (B) if there is no republication cut-off time for SONIA specified by the administrator of SONIA in the SONIA benchmark methodology, within one hour of the time when such rate is first published by authorized distributors of SONIA, <p>then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.</p>
Rounding	<p>Rounding shall be made to the nearest one ten-thousandth of a percentage point (0.0001%).</p>
Temporary Non-Publication of SONIA	<p>Subject to the below, if SONIA in respect of the Reset Date is not published by the administrator of SONIA or an authorized distributor and is not otherwise provided by the administrator of SONIA by either (A) the SONIA Fixing Day or (B) such other date on which SONIA is required, then the rate for that Reset Date will be the last provided or published SONIA.</p>
A SONIA Index Cessation Effective Date	<p>If a SONIA Index Cessation Event occurs, the rate for a SONIA Fixing Day occurring on or after the SONIA Index Cessation Effective Date will be the GBP Recommended Rate.</p>

Temporary Non-Publication of GBP Recommended Rate	<p>If there is a GBP Recommended Rate before the end of the first London Banking Day following the SONIA Index Cessation Effective Date but neither the administrator nor authorized distributors provide or publish the GBP Recommended Rate, then, subject to the below, in respect of any day for which the GBP Recommended Rate is required, references to the GBP Recommended Rate will be deemed to be references to the last provided or published GBP Recommended Rate. However, if there is no last provided or published GBP Recommended Rate, then in respect of any day for which the GBP Recommended Rate is required, references to the GBP Recommended Rate will be deemed to be references to the last provided or published SONIA.</p>
No GBP Recommended Rate or GBP Recommended Rate Index Cessation Effective Date	<p>If:</p> <ul style="list-style-type: none"> (A) there is no GBP Recommended Rate before the end of the first London Banking Day following the SONIA Index Cessation Effective Date; or (B) there is a GBP Recommended Rate and a GBP Recommended Rate Index Cessation Effective Date subsequently occurs, <p>then the rate for a SONIA Fixing Day occurring on or after the SONIA Index Cessation Effective Date or a GBP Recommended Rate Fixing Day occurring on or after the GBP Recommended Rate Index Cessation Effective Date (as applicable) will be the UK Bank Rate.</p>
UK Bank Rate	<p>In respect of any day for which the UK Bank Rate is required, references to the UK Bank Rate will be deemed to be references to the last provided or published UK Bank Rate as at close of business in London on that day.</p>
Definitions	
<p>“GBP Recommended Rate” means the rate (inclusive of any spreads or adjustments) recommended as the replacement for SONIA by (A) the administrator of SONIA if the administrator of SONIA is a national central bank, or (B) if the national central bank administrator of SONIA does not make a recommendation or the administrator of SONIA is not a national central bank, a committee designated for this purpose by one or both of the Financial Conduct Authority (or any successor thereto) and the Bank of England and as provided by the then administrator of that rate (or a successor administrator) or, if that rate is not provided by the administrator thereof (or a successor administrator), published by an authorized distributor.</p>	
<p>“GBP Recommended Rate Fixing Day” means, in respect of the GBP Recommended Rate and a Reset Date, the publication day specified by the administrator of the GBP Recommended Rate for the GBP Recommended Rate in its benchmark methodology.</p>	
<p>“GBP Recommended Rate Index Cessation Effective Date” means, in respect of the GBP Recommended Rate and a GBP Recommended Rate Index Cessation Event, the first date on which the GBP Recommended Rate would ordinarily have been provided and is no longer provided.</p>	
<p>“GBP Recommended Rate Index Cessation Event” means, in respect of the GBP Recommended Rate:</p> <ul style="list-style-type: none"> (A) a public statement or publication of information by or on behalf of the administrator of the GBP Recommended Rate announcing that it has ceased or will cease to provide the GBP Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the GBP Recommended Rate; or (B) a public statement or publication of information by the regulatory supervisor for the administrator of the GBP Recommended Rate, the central bank for the currency of the GBP Recommended Rate, an insolvency official with jurisdiction over the administrator of the GBP Recommended Rate, a resolution authority with jurisdiction over the administrator of the GBP Recommended Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the GBP Recommended Rate, which states that the administrator of the GBP Recommended Rate has ceased or will cease to provide the GBP Recommended Rate permanently or 	

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indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the GBP Recommended Rate.
“SONIA” means the Sterling Overnight Index Average (SONIA) rate administered by the Bank of England (or any successor administrator).
“SONIA Index Cessation Effective Date” means, in respect of SONIA and a SONIA Index Cessation Event, the first date on which SONIA would ordinarily have been provided and is no longer provided.
“SONIA Index Cessation Event” means, in respect of SONIA: (A) a public statement or publication of information by or on behalf of the administrator of SONIA announcing that it has ceased or will cease to provide SONIA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide SONIA; or (B) a public statement or publication of information by the regulatory supervisor for the administrator of SONIA, the central bank for the currency of SONIA, an insolvency official with jurisdiction over the administrator of SONIA, a resolution authority with jurisdiction over the administrator of SONIA or a court or an entity with similar insolvency or resolution authority over the administrator of SONIA, which states that the administrator of SONIA has ceased or will cease to provide SONIA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide SONIA.
“UK Bank Rate” means the official bank rate as determined by the Monetary Policy Committee of the Bank of England and published by the Bank of England from time to time.

3. SOFR

Floating Rate Option(s)	<p>“USD-SOFR” means that the rate for a Reset Date will be SOFR as provided by the administrator of SOFR to, and published by, authorized distributors of SOFR in respect of that day at approximately 8:00 a.m., New York City time (or any amended publication time as specified by the administrator of SOFR in the SOFR benchmark methodology), on the SOFR Fixing Day, as calculated pursuant to the applicable Overnight Rate Compounding Method or Overnight Rate Averaging Method.</p> <p>“USD-SOFR-OIS-Compound” or “USD-SOFR-Compound” means that the rate for a Reset Date will be the rate calculated in respect of SOFR according to the OIS Compounding method.</p>
Underlying Benchmark	“Underlying Benchmark” means SOFR.
Fixing Day	“SOFR Fixing Day” means, in respect of SOFR and a Reset Date, the U.S. Government Securities Business Day immediately following that day (or any amended publication day for SOFR as specified by the administrator of SOFR in the SOFR benchmark methodology).
Corrections	If that rate is subsequently corrected and provided by the administrator of SOFR to, and published by, authorized distributors of SOFR within the longer of one hour of the time when such rate is first published by authorized distributors of

	<p>SOFR and the republication cut-off time for SOFR, if any, as specified by the administrator of SOFR in the SOFR benchmark methodology then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.</p>
Rounding	<p>Rounding shall be made to the nearest one hundred-thousandth of a percentage point (0.00001%).</p>
Temporary Non-Publication of SOFR	<p>Subject to the below, if SOFR in respect of the Reset Date is not published by the administrator of SOFR or an authorized distributor and is not otherwise provided by the administrator of SOFR by either (A) the SOFR Fixing Day or (B) such other date on which SOFR is required, then the rate for that Reset Date will be the last provided or published SOFR.</p>
A SOFR Index Cessation Effective Date	<p>If a SOFR Index Cessation Event occurs, the rate for a SOFR Fixing Day occurring on or after the SOFR Index Cessation Effective Date will be the Fed Recommended Rate.</p>
Temporary Non-Publication of Fed Recommended Rate	<p>If there is a Fed Recommended Rate before the end of the first U.S. Government Securities Business Day following the SOFR Index Cessation Effective Date but neither the administrator nor authorized distributors provide or publish the Fed Recommended Rate, then, subject to the below, in respect of any day for which the Fed Recommended Rate is required, references to the Fed Recommended Rate will be deemed to be references to the last provided or published Fed Recommended Rate. However, if there is no last provided or published Fed Recommended Rate, then in respect of any day for which the Fed Recommended Rate is required, references to the Fed Recommended Rate will be deemed to be references to the last provided or published SOFR.</p>
No Fed Recommended Rate or Fed Recommended Rate Index Cessation Effective Date	<p>If:</p> <ul style="list-style-type: none"> (A) there is no Fed Recommended Rate before the end of the first U.S. Government Securities Business Day following the SOFR Index Cessation Effective Date; or (B) there is a Fed Recommended Rate and a Fed Recommended Rate Index Cessation Effective Date subsequently occurs, <p>then the rate for a SOFR Fixing Day occurring on or after the SOFR Index Cessation Effective Date or a Fed Recommended Rate Fixing Day occurring on or after the Fed Recommended Rate Index Cessation Effective Date (as applicable) will be OBFR and Applicable Business Days will be New York Fed Business Days.</p>
Temporary Non-Publication of OBFR	<p>If neither the administrator nor authorized distributors provide or publish OBFR then, subject to the below, in respect of any day for which OBFR is required, references to OBFR will be deemed to be references to the last provided or published OBFR.</p>

An OBFR Index Cessation Effective Date If:

(A) there is no Fed Recommended Rate before the end of the first U.S. Government Securities Business Day following the SOFR Index Cessation Effective Date, or there is a Fed Recommended Rate and a Fed Recommended Rate Index Cessation Effective Date subsequently occurs; and

(B) an OBFR Index Cessation Effective Date also occurs,

then the rate for an OBFR Fixing Day occurring on or after the OBFR Index Cessation Effective Date (or, if the SOFR Index Cessation Effective Date or Fed Recommended Rate Index Cessation Effective Date (as applicable) is later, a SOFR Fixing Day occurring on or after the SOFR Index Cessation Effective Date or a Fed Recommended Rate Fixing Day occurring on or after the Fed Recommended Rate Index Cessation Effective Date, as applicable) will be the FOMC Target Rate and Applicable Business Days will be New York City Banking Days.

Temporary Non-Publication of FOMC Target Rate If neither the administrator nor authorized distributors provide or publish the FOMC Target Rate and an FOMC Target Rate Index Cessation Effective Date has not occurred, then in respect of any day for which the FOMC Target Rate is required, references to the FOMC Target Rate will be deemed to be references to the last provided or published FOMC Target Rate.

Definitions

“Fed Recommended Rate” means the rate (inclusive of any spreads or adjustments) recommended as the replacement for SOFR by the Federal Reserve Board or the Federal Reserve Bank of New York, or by a committee officially endorsed or convened by the Federal Reserve Board or the Federal Reserve Bank of New York for the purpose of recommending a replacement for SOFR (which rate may be produced by the Federal Reserve Bank of New York or another administrator) and as provided by the administrator of that rate or, if that rate is not provided by the administrator thereof (or a successor administrator), published by an authorized distributor.

“Fed Recommended Rate Fixing Day” means, in respect of the Fed Recommended Rate and a Reset Date, the publication day specified by the administrator of the Fed Recommended Rate for the Fed Recommended Rate in its benchmark methodology.

“Fed Recommended Rate Index Cessation Effective Date” means, in respect of the Fed Recommended Rate and a Fed Recommended Rate Index Cessation Event, the first date on which the Fed Recommended Rate would ordinarily have been provided and is no longer provided.

“Fed Recommended Rate Index Cessation Event” means, in respect of the Fed Recommended Rate:

(A) a public statement or publication of information by or on behalf of the administrator of the Fed Recommended Rate announcing that it has ceased or will cease to provide the Fed Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the Fed Recommended Rate; or

(B) a public statement or publication of information by the regulatory supervisor for the administrator of the Fed Recommended Rate, the central bank for the currency of the Fed Recommended Rate, an insolvency official with jurisdiction over the administrator of the Fed Recommended Rate, a resolution authority with jurisdiction over the administrator of the Fed Recommended Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the Fed Recommended Rate, which states that the administrator of the Fed Recommended Rate has ceased or will cease to provide the Fed Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the Fed Recommended Rate.

“FOMC Target Rate” means the short-term interest rate target set by the Federal Open Market Committee and published on the Federal Reserve’s Website or, if the Federal Open Market Committee does not target a single rate, the mid-point of the short-term interest rate target range set by the Federal Open Market Committee and published on the Federal Reserve’s Website (calculated as the arithmetic average of the upper bound of the target range and

the lower bound of the target range, rounded, if necessary, in accordance with the method set forth in Part A, Clause 4 of these Supplemental Definitions);

“FOMC Target Rate Index Cessation Effective Date” means, in respect of the FOMC Target Rate and an FOMC Target Rate Index Cessation Event, the first date on which the FOMC Target Rate would ordinarily have been provided and is no longer provided.

“FOMC Target Rate Index Cessation Event” means, in respect of the FOMC Target Rate:

- (A) a public statement or publication of information by or on behalf of the administrator of the FOMC Target Rate announcing that it has ceased or will cease to provide the FOMC Target Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the FOMC Target Rate; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of the FOMC Target Rate, the central bank for the currency of the FOMC Target Rate, an insolvency official with jurisdiction over the administrator of the FOMC Target Rate, a resolution authority with jurisdiction over the administrator of the FOMC Target Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the FOMC Target Rate, which states that the administrator of the FOMC Target Rate has ceased or will cease to provide the FOMC Target Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the FOMC Target Rate.

“OBFR” means the Overnight Bank Funding Rate, as provided by the Federal Reserve Bank of New York (or a successor administrator).

“OBFR Fixing Day” means, in respect of OBFR and a Reset Date, the New York City Banking Day immediately following that day (or any amended publication day specified by the administrator of OBFR for OBFR in its benchmark methodology).

“OBFR Index Cessation Effective Date” means, in respect of OBFR and an OBFR Index Cessation Event, the first date on which OBFR would ordinarily have been provided and is no longer provided.

“OBFR Index Cessation Event” means, in respect of OBFR:

- (A) a public statement or publication of information by or on behalf of the administrator of OBFR announcing that it has ceased or will cease to provide OBFR permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide OBFR; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of OBFR, the central bank for the currency of OBFR, an insolvency official with jurisdiction over the administrator of OBFR, a resolution authority with jurisdiction over the administrator of OBFR or a court or an entity with similar insolvency or resolution authority over the administrator of OBFR, which states that the administrator of OBFR has ceased or will cease to provide OBFR permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide OBFR.

“SOFR” means the Secured Overnight Financing Rate (SOFR) administered by the Federal Reserve Bank of New York (or any successor administrator).

“SOFR Index Cessation Effective Date” means, in respect of SOFR and a SOFR Index Cessation Event, the first date on which SOFR would ordinarily have been provided and is no longer provided.

“SOFR Index Cessation Event” means, in respect of SOFR:

- (A) a public statement or publication of information by or on behalf of the administrator of SOFR announcing that it has ceased or will cease to provide SOFR permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide SOFR; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of SOFR, the central bank for the currency of SOFR, an insolvency official with jurisdiction over the administrator of SOFR, a resolution authority with jurisdiction over the administrator of SOFR or a court or an entity with similar insolvency or resolution authority over the administrator of SOFR, which states that the administrator of SOFR has ceased or will cease to provide SOFR permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide SOFR.

4. €STR or EuroSTR

Floating Rate Option(s)	<p>“EUR-EuroSTR” means that the rate for a Reset Date will be EuroSTR as provided by the administrator of EuroSTR to, and published by, authorized distributors of Euro-STR in respect of that day as of 9:00 a.m., Frankfurt time (or any amended publication time as specified by the administrator of EuroSTR in the EuroSTR benchmark methodology), on the EuroSTR Fixing Day.</p> <p>“EUR-EuroSTR-OIS-Compound” or “EUR-EuroSTR-Compound” means that the rate for a Reset Date will be the rate calculated in respect of EuroSTR according to the OIS Compounding method.</p>
Underlying Benchmark	<p>“Underlying Benchmark” means EuroSTR.</p>
Fixing Day	<p>“EuroSTR Fixing Day” means, in respect of EuroSTR and a Reset Date, the TARGET Settlement Day immediately following that day (or any amended publication day for EuroSTR as specified by the administrator of EuroSTR in the EuroSTR benchmark methodology).</p>
Corrections	<p>If that rate is subsequently corrected and provided by the administrator of EuroSTR to, and published by, authorized distributors of EuroSTR within the longer of one hour of the time when such rate is first published by authorized distributors of EuroSTR and the republication cut-off time for EuroSTR, if any, as specified by the administrator of EuroSTR in the EuroSTR benchmark methodology then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.</p>
Rounding	<p>Rounding shall be made to the nearest one ten-thousandth of a percentage point (0.0001%).</p>
Temporary Non-Publication of EuroSTR	<p>Subject to the below, if EuroSTR in respect of the Reset Date is not published by the administrator of EuroSTR or an authorized distributor and is not otherwise provided by the administrator of EuroSTR by either (A) the EuroSTR Fixing Day or (B) such other date on which EuroSTR is required, then the rate for that Reset Date will be the last provided or published EuroSTR.</p>
A EuroSTR Index Cessation Effective Date	<p>If a EuroSTR Index Cessation Event occurs, the rate for a EuroSTR Fixing Day occurring on or after the EuroSTR Index Cessation Effective Date will be the EUR Recommended Rate.</p>
Temporary Non-Publication of EUR Recommended Rate	<p>If there is an EUR Recommended Rate before the end of the first TARGET Settlement Day following the EuroSTR Index Cessation Effective Date but neither the administrator nor authorized distributors provide or publish the EUR Recommended Rate, then, subject to the below, in respect of any day for which the EUR Recommended Rate is required, references to the EUR Recommended Rate will</p>

be deemed to be references to the last provided or published EUR Recommended Rate. However, if there is no last provided or published EUR Recommended Rate, then in respect of any day for which the EUR Recommended Rate is required, references to the EUR Recommended Rate will be deemed to be references to the last provided or published EuroSTR.

No EUR Recommended Rate or EUR Recommended Rate Index Cessation Effective Date If:

(A) there is no EUR Recommended Rate before the end of the first TARGET Settlement Day following the EuroSTR Index Cessation Effective Date; or

(B) there is an EUR Recommended Rate and an EUR Recommended Rate Index Cessation Effective Date subsequently occurs,

then the rate for a EuroSTR Fixing Day occurring on or after the EuroSTR Index Cessation Effective Date or an EUR Recommended Rate Fixing Day occurring on or after the EUR Recommended Rate Index Cessation Effective Date (as applicable) will be Modified EDFR.

Eurosystem Deposit Facility Rate In respect of any day for which the Eurosystem Deposit Facility Rate is required, references to the Eurosystem Deposit Facility Rate will be deemed to be references to the last provided or published Eurosystem Deposit Facility Rate as at close of business in Frankfurt on that day.

Definitions

“EDFR Spread” means:

- (A) if no EUR Recommended Rate is recommended before the end of the first TARGET Settlement Day following the EuroSTR Index Cessation Effective Date, the arithmetic mean of the daily difference between EuroSTR and the Eurosystem Deposit Facility Rate over an observation period of 30 TARGET Settlement Days starting 30 TARGET Settlement Days prior to the day on which the EuroSTR Index Cessation Event occurs and ending on the TARGET Settlement Day immediately preceding the day on which the EuroSTR Index Cessation Event occurs; or
- (B) if an EUR Recommended Rate Index Cessation Event occurs, the arithmetic mean of the daily difference between the EUR Recommended Rate and the Eurosystem Deposit Facility Rate over an observation period of 30 TARGET Settlement Days starting 30 TARGET Settlement Days prior to the day on which the EUR Recommended Rate Index Cessation Event occurs and ending on the TARGET Settlement Day immediately preceding the day on which that EUR Recommended Rate Index Cessation Event occurs.

“EUR Recommended Rate” means the rate (inclusive of any spreads or adjustments) recommended as the replacement for EuroSTR by (A) the European Central Bank (or any successor administrator of EuroSTR) and/or (B) a committee officially endorsed or convened by (i) the European Central Bank (or any successor administrator of EuroSTR) and/or (ii) the European Securities and Markets Authority, in each case for the purpose of recommending a replacement for EuroSTR (which rate may be produced by the European Central Bank or another administrator) and as provided by the administrator of that rate or, if that rate is not provided by the administrator thereof (or a successor administrator), published by an authorized distributor.

“EUR Recommended Rate Fixing Day” means, in respect of the EUR Recommended Rate and a Reset Date, the publication day specified by the administrator of the EUR Recommended Rate for the EUR Recommended Rate in its benchmark methodology.

“EUR Recommended Rate Index Cessation Effective Date” means, in respect of the EUR Recommended Rate and an EUR Recommended Rate Index Cessation Event, the first date on which the EUR Recommended Rate would ordinarily have been provided and is no longer provided.

“EUR Recommended Rate Index Cessation Event” means, in respect of the EUR Recommended Rate:

- (A) a public statement or publication of information by or on behalf of the administrator of the EUR Recommended Rate announcing that it has ceased or will cease to provide the EUR Recommended Rate permanently or

<p>indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the EUR Recommended Rate; or</p> <p>(B) a public statement or publication of information by the regulatory supervisor for the administrator of the EUR Recommended Rate, the central bank for the currency of the EUR Recommended Rate, an insolvency official with jurisdiction over the administrator of the EUR Recommended Rate, a resolution authority with jurisdiction over the administrator of the EUR Recommended Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the EUR Recommended Rate, which states that the administrator of the EUR Recommended Rate has ceased or will cease to provide the EUR Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the EUR Recommended Rate.</p>
<p>“EuroSTR” means the euro short-term rate (€STR) administered by the European Central Bank (or any successor administrator).</p>
<p>“EuroSTR Index Cessation Effective Date” means, in respect of EuroSTR and a EuroSTR Index Cessation Event, the first date on which EuroSTR would ordinarily have been provided and is no longer provided.</p>
<p>“EuroSTR Index Cessation Event” means, in respect of EuroSTR:</p> <p>(A) a public statement or publication of information by or on behalf of the administrator of EuroSTR announcing that it has ceased or will cease to provide EuroSTR permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide EuroSTR; or</p> <p>(B) a public statement or publication of information by the regulatory supervisor for the administrator of EuroSTR, the central bank for the currency of EuroSTR, an insolvency official with jurisdiction over the administrator of EuroSTR, a resolution authority with jurisdiction over the administrator of EuroSTR or a court or an entity with similar insolvency or resolution authority over the administrator of EuroSTR, which states that the administrator of EuroSTR has ceased or will cease to provide EuroSTR permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide EuroSTR.</p>
<p>“Eurosystem Deposit Facility Rate” means the rate on the deposit facility, which banks may use to make overnight deposits with the Eurosystem and which is published on the ECB’s Website.</p>
<p>“Modified EDFR” means a rate equal to the Eurosystem Deposit Facility Rate plus the EDFR Spread.</p>

5. EONIA

Floating Rate Option(s)

“EUR-EONIA-OIS-Compound” or, if determined by reference to a Bloomberg page, **“EUR-EONIA-OIS-Compound-Bloomberg”**, means a rate calculated in accordance with the formula set forth below on the basis of daily compounding (it being understood that the reference rate for the calculation of interest is the Euro Overnight Index Average (EONIA)), provided that the resulting percentage will be rounded, if necessary, in accordance with the method set forth in Part A, Clause 4 of these Supplemental Definitions, but to the nearest one ten-thousandth of a percentage point (0.0001%) and provided further that the rate for each day in a Calculation Period occurring on or after an EONIA Index Cessation Effective Date will be determined as if references to EONIA_i were references to Modified EuroSTR_i.

$$\left[\prod_{i=1}^{d_0} \left(1 + \frac{\text{EONIA}_i \times n_i}{360} \right) - 1 \right] \times \frac{360}{d}$$

“EUR-EONIA-Average” means a rate calculated in accordance with the formula set forth below as the average monthly rate of the day-to-day Euro Overnight Index Average (EONIA), adjusted to take into account the exact number of days in the month concerned, provided that the rate for each day in a Calculation Period occurring on or after an EONIA Index Cessation Effective Date will be determined as if references to EONIA_i were references to Modified EuroSTR_i.

$$\frac{100}{D} \times \left[\sum_{i=1}^{i=D} \text{EONIA}_i \right]$$

Definitions

“d₀”, for any Calculation Period, is the number of TARGET Settlement Days in the relevant Calculation Period.

“i” means (i) in respect of EUR-EONIA-OIS-Compound and EUR-EONIA-OIS-Compound-Bloomberg, a series of whole numbers from one to d₀, each representing the relevant TARGET Settlement Days in chronological order from, and including, the first TARGET Settlement Day in the relevant Calculation Period and (ii) in respect of EUR-EONIA-Average, a series of whole numbers from one to D, each representing in the month of the Calculation Period the relevant calendar days in that month in chronological order from, and including, the first day of that month to, and including, the last day of that month.

“EONIA_i” means (i) in respect of EUR-EONIA-OIS-Compound and EUR-EONIA-OIS-Compound-Bloomberg, for any day “i” in the relevant Calculation Period, is a reference rate equal to the overnight rate appearing, in respect of EUR-EONIA-OIS-Compound, on the Reuters Screen EONIA Page, or, in respect of EUR-EONIA-OIS-Compound-Bloomberg, on the Bloomberg Screen ALLX EBFS Page in respect of that day and, (ii) in respect of EUR-EONIA-Average, for any relevant day “i” in the month of the Calculation Period, is a reference rate equal to the overnight rate appearing on the Reuters Screen EONIA Page in respect of that day, if that day is a TARGET Settlement Day, or in respect of the TARGET Settlement Day immediately preceding that day, if that day is not a TARGET Settlement Day.

“n_i” is the number of calendar days in the relevant Calculation Period on which the rate is EONIA_i.

“d” is the number of calendar days in the relevant Calculation Period.

“D”, for the month of the Calculation Period, is the number of calendar days in that month.

“EONIA Index Cessation Event” means:

- (1) the announcement by the European Money Markets Institute on 31 May 2019 that EONIA would be discontinued on 3 January 2022; or
- (2) the occurrence of any of the following events:
 - a. a public statement or publication of information by or on behalf of the European Money Markets Institute (or a successor administrator of EONIA) announcing that it has ceased or will cease to provide EONIA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide EONIA; or
 - b. a public statement or publication of information by the regulatory supervisor for the administrator of EONIA, the central bank for the currency of EONIA, an insolvency official with jurisdiction over the administrator of EONIA, a resolution authority with jurisdiction over the administrator of EONIA or a court or an entity with similar insolvency or resolution authority over the administrator of EONIA, which states that the administrator of EONIA has ceased or will cease to provide EONIA

permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide EONIA.

“EONIA Index Cessation Effective Date” means, in respect of an EONIA Index Cessation Event, the first date on which EONIA is no longer provided.

“Modified EuroSTR_i” means for any day “i” in the relevant Calculation Period, a reference rate equal to EuroSTR in respect of that day (or, as regards EUR-EONIA-Average, if that day is not a TARGET Settlement Day, in respect of the TARGET Settlement Day immediately preceding that day), as published on the ECB's website plus 0.085%.

“EuroSTR” is the euro short term rate (€STR) provided by the European Central Bank as administrator of the benchmark (or a successor administrator) on the ECB's website.

Fallbacks for EuroSTR

Upon the occurrence of a EuroSTR Index Cessation Event, the rate for each day in a Calculation Period occurring on or after the EuroSTR Index Cessation Effective Date will be determined as if references to EONIA_i were references to the ECB Recommended Rate_i.

If:

- (1) no such rate is recommended before the end of the first TARGET Settlement Day following the day on which the EuroSTR Index Cessation Event occurs, then the rate for each day in a Calculation Period occurring on or after the EuroSTR Index Cessation Effective Date will be determined as if references to EONIA_i were references to Modified EDFR (EONIA)_i; or
- (2) an ECB Recommended Rate Index Cessation Event subsequently occurs, then the rate for each day in a Calculation Period occurring on or after the ECB Recommended Rate Index Cessation Effective Date will be determined as if references to EONIA_i were references to Modified EDFR (EONIA)_i.

“EuroSTR Index Cessation Event” means the occurrence of one or more of the following events:

- (1) a public statement or publication of information by or on behalf of the European Central Bank (or a successor administrator of EuroSTR) announcing that it has ceased or will cease to provide EuroSTR permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide EuroSTR; or
- (2) a public statement or publication of information by the regulatory supervisor for the administrator of EuroSTR, the central bank for the currency of EuroSTR, an insolvency official with jurisdiction over the administrator of EuroSTR, a resolution authority with jurisdiction over the administrator of EuroSTR or a court or an entity with similar insolvency or resolution authority over the administrator of EuroSTR, which states that the administrator of EuroSTR has ceased or will cease to provide EuroSTR permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide EuroSTR;

“EuroSTR Index Cessation Effective Date” means, in respect of a EuroSTR Index Cessation Event, the first date on which EuroSTR is no longer provided.

“ECB Recommended Rate_i”, for any day “i” in the relevant Calculation Period, is a reference rate equal to the ECB Recommended Rate in respect of that day (or, as regards EUR-EONIA-Average, if that day is not a TARGET Settlement Day, in respect of the TARGET Settlement Day immediately preceding that day), as published or provided by the administrator thereof, plus 0.085%.

“ECB Recommended Rate” means the rate (inclusive of any spreads or adjustments) recommended as the replacement for EuroSTR by the European Central Bank (or any successor administrator of EuroSTR) and/or by a committee officially endorsed or convened by the European Central Bank (or any successor administrator of Euro-STR) for the purpose of recommending a replacement for EuroSTR (which rate may be produced by the European Central Bank or another administrator).

“ECB Recommended Rate Index Cessation Event” means the occurrence of one or more of the following events:

- (1) a public statement or publication of information by or on behalf of the administrator of the ECB Recommended Rate announcing that it has ceased or will cease to provide the ECB Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the ECB Recommended Rate; or
- (2) a public statement or publication of information by the regulatory supervisor for the administrator of the ECB Recommended Rate, the central bank for the currency of the ECB Recommended Rate, an insolvency official with jurisdiction over the administrator of the ECB Recommended Rate, a resolution authority with jurisdiction over the administrator of the ECB Recommended Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the ECB Recommended Rate, which states that the administrator of the ECB Recommended Rate has ceased or will cease to provide the ECB Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the ECB Recommended Rate.

“ECB Recommended Rate Index Cessation Effective Date” means, in respect of an ECB Recommended Rate Index Cessation Event, the first date on which the ECB Recommended Rate is no longer provided.

“Modified EDFR (EONIA)_i”, for any day “i” in the relevant Calculation Period, is a reference rate equal to Modified EDFR (EONIA) in respect of that day (or, as regards EUR-EONIA-Average, if that day is not a TARGET Settlement Day, in respect of the TARGET Settlement Day immediately preceding that day), plus 0.085%.

“Modified EDFR (EONIA)” means the Eurosystem Deposit Facility Rate, as published or provided by the administrator thereof, plus the EDFR Spread.

• Swiss Banking

“Eurosystem Deposit Facility Rate” means the rate on the deposit facility, which banks may use to make overnight deposits with the Eurosystem and which is published on the ECB's website; and

“EDFR Spread” means:

- (1) if no ECB Recommended Rate is recommended before the end of the first TARGET Settlement Day following the day on which the EuroSTR Index Cessation Event occurs, the arithmetic mean of the daily difference between EuroSTR and the Eurosystem Deposit Facility Rate over an observation period of 30 TARGET Settlement Days starting 30 TARGET Settlement Days prior to the day on which the EuroSTR Index Cessation Event occurs and ending on the TARGET Settlement Day immediately preceding the day on which the EuroSTR Index Cessation Event occurs; or
- (2) if an ECB Recommended Rate Index Cessation Event occurs, the arithmetic mean of the daily difference between the ECB Recommended Rate and the Eurosystem Deposit Facility Rate over an observation period of 30 TARGET Settlement Days starting 30 TARGET Settlement Days prior to the day on which the ECB Recommended Rate Index Cessation Event occurs and ending on the TARGET Settlement Day immediately preceding the day on which the ECB Recommended Rate Index Cessation Event occurs.

6. TONA

Floating Rate Option(s)

“JPY-TONA” means that the rate for a Reset Date will be TONA as provided by the administrator of TONA to, and published by, authorized distributors of TONA in respect of that day as of approximately 10:00 a.m., Tokyo time (or any amended publication time as specified by the administrator of TONA in the TONA benchmark methodology), on the TONA Fixing Day, as calculated pursuant to the applicable Overnight Rate Compounding Method or Overnight Rate Averaging Method.

“JPY-TONA-OIS-Compound” or **“JPY-TONA-Compound”** means that the rate for a Reset Date will be the rate calculated in respect of TONA according to the OIS Compounding method.

Underlying Benchmark

“Underlying Benchmark” means TONA.

Fixing Day

“TONA Fixing Day” means, in respect of TONA and a Reset Date, the Tokyo Banking Day immediately following that day (or any amended publication day for TONA as specified by the administrator of TONA in the TONA benchmark methodology).

Corrections	If that rate is subsequently corrected and provided by the administrator of TONA to, and published by, authorized distributors of TONA within the longer of one hour of the time when such rate is first published by authorized distributors of TONA and the republication cut-off time for TONA, if any, as specified by the administrator of TONA in the TONA benchmark methodology then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.
Rounding	Rounding shall be made to the nearest one hundred-thousandth of a percentage point (0.00001%).
Temporary Non-Publication of TONA	Subject to the below, if TONA in respect of the Reset Date is not published by the administrator of TONA or an authorized distributor and is not otherwise provided by the administrator of TONA by either (A) the TONA Fixing Day or (B) such other date on which TONA is required, then the rate for that Reset Date will be the last provided or published TONA.
A TONA Index Cessation Effective Date	If a TONA Index Cessation Event occurs, the rate for a TONA Fixing Day occurring on or after the TONA Index Cessation Effective Date will be the JPY Recommended Rate.
Temporary Non-Publication of JPY Recommended Rate	If there is a JPY Recommended Rate before the end of the first Tokyo Banking Day following the TONA Index Cessation Effective Date but neither the administrator nor authorized distributors provide or publish the JPY Recommended Rate, then, subject to the below, in respect of any day for which the JPY Recommended Rate is required, references to the JPY Recommended Rate will be deemed to be references to the last provided or published JPY Recommended Rate. However, if there is no last provided or published JPY Recommended Rate, then in respect of any day for which the JPY Recommended Rate is required, references to the JPY Recommended Rate will be deemed to be references to the last provided or published TONA.
No JPY Recommended Rate or JPY Recommended Rate Index Cessation Effective Date	If: (A) there is no JPY Recommended Rate before the end of the first Tokyo Banking Day following the TONA Index Cessation Effective Date; or (B) there is a JPY Recommended Rate and a JPY Recommended Rate Index Cessation Effective Date subsequently occurs, then the rate for a TONA Fixing Day occurring on or after the TONA Index Cessation Effective Date or a JPY Recommended Rate Fixing Day occurring on or after the JPY Recommended Rate Index Cessation Effective Date (as applicable) will be a commercially reasonable alternative for TONA or the JPY Recommended Rate (as applicable) determined by the Calculation Agent, taking into account any rate implemented by central counterparties and/or futures exchanges,

in each case with trading volumes in derivatives or futures referencing TONA or the JPY Recommended Rate (as applicable) that the Calculation Agent considers sufficient for that rate to be a representative alternative rate.

Definitions

“JPY Recommended Rate” means the rate (inclusive of any spreads or adjustments) recommended as the replacement for TONA by a committee officially endorsed or convened by the Bank of Japan for the purpose of recommending a replacement for TONA (which rate may be produced by the Bank of Japan or another administrator) and as provided by the administrator of that rate or, if that rate is not provided by the administrator thereof (or a successor administrator), published by an authorized distributor.

“JPY Recommended Rate Fixing Day” means, in respect of the JPY Recommended Rate and a Reset Date, the publication day specified by the administrator of the JPY Recommended Rate for the JPY Recommended Rate in its benchmark methodology.

“JPY Recommended Rate Index Cessation Effective Date” means, in respect of the JPY Recommended Rate and a JPY Recommended Rate Index Cessation Event, the first date on which the JPY Recommended Rate would ordinarily have been provided and is no longer provided.

“JPY Recommended Rate Index Cessation Event” means, in respect of the JPY Recommended Rate:

(A) a public statement or publication of information by or on behalf of the administrator of the JPY Recommended Rate announcing that it has ceased or will cease to provide the JPY Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the JPY Recommended Rate; or

a public statement or publication of information by the regulatory supervisor for the administrator of the JPY Recommended Rate, the central bank for the currency of the JPY Recommended Rate, an insolvency official with jurisdiction over the administrator of the JPY Recommended Rate, a resolution authority with jurisdiction over the administrator of the JPY Recommended Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the JPY Recommended Rate, which states that the administrator of the JPY Recommended Rate has ceased or will cease to provide the JPY Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the JPY Recommended Rate.

“TONA” means the Tokyo Overnight Average Rate (TONA) administered by the Bank of Japan (or any successor administrator).

“TONA Index Cessation Effective Date” means, in respect of TONA and a TONA Index Cessation Event, the first date on which TONA would ordinarily have been provided and is no longer provided.

“TONA Index Cessation Event” means, in respect of TONA:

(A) a public statement or publication of information by or on behalf of the administrator of TONA announcing that it has ceased or will cease to provide TONA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide TONA; or

a public statement or publication of information by the regulatory supervisor for the administrator of TONA, the central bank for the currency of TONA, an insolvency official with jurisdiction over the administrator of TONA, a resolution authority with jurisdiction over the administrator of TONA or a court or an entity with similar insolvency or resolution authority over the administrator of TONA, which states that the administrator of TONA has ceased or will cease to provide TONA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide TONA.

7. SORA

Floating Rate Option(s)	<p>“SGD-SORA” means that the rate for a Reset Date will be SORA as provided by the administrator of SORA to, and published by, authorized distributors of SORA in respect of that day by 9:00 a.m., Singapore time (or any amended publication time as specified by the administrator of SORA in the SORA benchmark methodology), on the SORA Fixing Day, as calculated pursuant to the applicable Overnight Rate Compounding Method or Overnight Rate Averaging Method.</p> <p>“SGD-SORA-OIS-Compound” or “SGD-SORA-Compound” means that the rate for a Reset Date will be the rate calculated in respect of SORA according to the OIS Compounding method.</p>
Underlying Benchmark	<p>“Underlying Benchmark” means SORA.</p>
Fixing Day	<p>“SORA Fixing Day” means, in respect of SORA and a Reset Date, the Singapore Banking Day immediately following that day (or any amended publication day for SORA as specified by the administrator of SORA in the SORA benchmark methodology).</p>
Corrections	<p>If that rate is subsequently corrected and provided by the administrator of SORA to, and published by, authorized distributors of SORA within the longer of one hour of the time when such rate is first published by authorized distributors of SORA and the republication cut-off time for SORA, if any, as specified by the administrator of SORA in the SORA benchmark methodology then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.</p>
Rounding	<p>Rounding shall be made to the nearest one ten-thousandth of a percentage point (0.0001%).</p>
Temporary Non-Publication of SORA	<p>Subject to the below, if SORA in respect of the Reset Date is not published by the administrator of SORA or an authorized distributor and is not otherwise provided by the administrator of SORA by either (A) the SORA Fixing Day or (B) such other date on which SORA is required, then the rate for that Reset Date will be the last provided or published SORA.</p>
A SORA Index Cessation Effective Date	<p>If a SORA Index Cessation Event occurs, the rate for a SORA Fixing Day occurring on or after the SORA Index Cessation Effective Date will be the MAS Recommended Rate.</p>
Temporary Non-Publication of MAS Recommended Rate	<p>If there is a MAS Recommended Rate before the end of the first Singapore Banking Day following the SORA Index Cessation Effective Date but neither the administrator nor authorized distributors provide or publish the MAS Recommended Rate, then, subject to the below, in respect of any day for which the MAS Recommended Rate is required, references to the MAS Recommended Rate</p>

will be deemed to be references to the last provided or published MAS Recommended Rate. However, if there is no last provided or published MAS Recommended Rate, then in respect of any day for which the MAS Recommended Rate is required, references to the MAS Recommended Rate will be deemed to be references to the last provided or published SORA.

No MAS Recommended Rate or MAS Recommended Rate Index Cessation Effective Date If:

(A) there is no JPY Recommended Rate before the end of the first Tokyo Banking Day following the TONA Index Cessation Effective Date; or

(B) there is a JPY Recommended Rate and a JPY Recommended Rate Index Cessation Effective Date subsequently occurs,

then the rate for a TONA Fixing Day occurring on or after the TONA Index Cessation Effective Date or a JPY Recommended Rate Fixing Day occurring on or after the JPY Recommended Rate Index Cessation Effective Date (as applicable) will be a commercially reasonable alternative for TONA or the JPY Recommended Rate (as applicable) determined by the Calculation Agent, taking into account any rate implemented by central counterparties and/or futures exchanges, in each case with trading volumes in derivatives or futures referencing TONA or the JPY Recommended Rate (as applicable) that the Calculation Agent considers sufficient for that rate to be a representative alternative rate.

Definitions

“MAS Recommended Rate” means the rate (inclusive of any spreads or adjustments) recommended as the replacement for SORA by the Monetary Authority of Singapore or by a committee officially endorsed or convened by the Monetary Authority of Singapore (which rate may be produced by the Monetary Authority of Singapore or another administrator) and as provided by the administrator of that rate in respect of the Reset Date or, if that rate is not provided by the administrator thereof (or a successor administrator), published by an authorized distributor.

“MAS Recommended Rate Fixing Day” means, in respect of the MAS Recommended Rate and a Reset Date, the publication day specified by the administrator of the MAS Recommended Rate for the MAS Recommended Rate in its benchmark methodology.

“MAS Recommended Rate Index Cessation Effective Date” means, in respect of the MAS Recommended Rate and a MAS Recommended Rate Index Cessation Event, the first date on which the MAS Recommended Rate would ordinarily have been provided and is no longer provided.

“MAS Recommended Rate Index Cessation Event” means, in respect of the MAS Recommended Rate:

(A) a public statement or publication of information by or on behalf of the administrator of the MAS Recommended Rate announcing that it has ceased or will cease to provide the MAS Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the MAS Recommended Rate; or

(B) a public statement or publication of information by the regulatory supervisor for the administrator of the MAS Recommended Rate, the central bank for the currency of the MAS Recommended Rate, an insolvency official with jurisdiction over the administrator of the MAS Recommended Rate, a resolution authority with jurisdiction over the administrator of the MAS Recommended Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the MAS Recommended Rate, which states that the administrator of the MAS Recommended Rate has ceased or will cease to provide the MAS Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the MAS Recommended Rate.

“SORA” means the Singapore Overnight Rate Average (SORA) as provided by the Monetary Authority of Singapore (or any successor administrator).

“SORA Index Cessation Effective Date” means, in respect of SORA and a SORA Index Cessation Event, the first date on which SORA would ordinarily have been provided and is no longer provided.

“SORA Index Cessation Event” means, in respect of SORA:

- (A) a public statement or publication of information by or on behalf of the administrator of SORA announcing that it has ceased or will cease to provide SORA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide SORA; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of SORA, the central bank for the currency of SORA, an insolvency official with jurisdiction over the administrator of SORA, a resolution authority with jurisdiction over the administrator of SORA or a court or an entity with similar insolvency or resolution authority over the administrator of SORA, which states that the administrator of SORA has ceased or will cease to provide SORA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide SORA.

8. AONIA

Floating Rate Option(s)

“AUD-AONIA” means that the rate for a Reset Date will be AONIA as provided by the administrator of AONIA to, and published by, authorized distributors of AONIA in respect of that day prior to 9:30 a.m., Sydney time (or any amended publication time as specified by the administrator of AONIA in the AONIA benchmark methodology), on the AONIA Fixing Day, as calculated pursuant to the applicable Overnight Rate Compounding Method or Overnight Rate Averaging Method.

“AUD-AONIA-OIS-Compound” or **“AUD-AONIA-Compound”** means that the rate for a Reset Date will be the rate calculated in respect of AONIA according to the OIS Compounding method.

Underlying Benchmark

“Underlying Benchmark” means AONIA.

Fixing Day

“AONIA Fixing Day” means, in respect of AONIA and a Reset Date, the Sydney Banking Day or Melbourne Banking Day immediately following that day (or any amended publication day for AONIA as specified by the administrator of AONIA in the AONIA benchmark methodology).

Corrections

If that rate is subsequently corrected and provided by the administrator of AONIA to, and published by, authorized distributors of AONIA within the longer of one hour of the time when such rate is first published by authorized distributors of AONIA and the republication cut-off time for AONIA, if any, as specified by the administrator of AONIA in the AONIA benchmark methodology then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.

Rounding	Rounding shall be made to the nearest one ten-thousandth of a percentage point (0.0001%).
Temporary Non-Publication of AONIA	Subject to the below, if AONIA in respect of the Reset Date is not published by the administrator of AONIA or an authorized distributor and is not otherwise provided by the administrator of AONIA by either (A) the AONIA Fixing Day or (B) such other date on which AONIA is required, then the rate for that Reset Date will be the last provided or published AONIA.
An AONIA Index Cessation Effective Date	If an AONIA Index Cessation Event occurs, the rate for an AONIA Fixing Day occurring on or after the AONIA Index Cessation Effective Date will be the RBA Recommended Rate.
Temporary Non-Publication of RBA Recommended Rate	If there is an RBA Recommended Rate before the end of the first Sydney Banking Day or Melbourne Banking Day following the AONIA Index Cessation Effective Date but neither the administrator nor authorized distributors provide or publish the RBA Recommended Rate, then, subject to the below, in respect of any day for which the RBA Recommended Rate is required, references to the RBA Recommended Rate will be deemed to be references to the last provided or published RBA Recommended Rate. However, if there is no last provided or published RBA Recommended Rate, then in respect of any day for which the RBA Recommended Rate is required, references to the RBA Recommended Rate will be deemed to be references to the last provided or published AONIA.
No RBA Recommended Rate or RBA Recommended Rate Index Cessation Effective Date	<p>If:</p> <p>(A) there is no RBA Recommended Rate before the end of the first Sydney Banking Day or Melbourne Banking Day following the AONIA Index Cessation Effective Date; or</p> <p>(B) there is an RBA Recommended Rate and an RBA Recommended Rate Index Cessation Effective Date subsequently occurs,</p> <p>then the rate for an AONIA Fixing Day occurring on or after the AONIA Index Cessation Effective Date or an RBA Recommended Rate Fixing Day occurring on or after the RBA Recommended Rate Index Cessation Effective Date (as applicable) will be a commercially reasonable alternative for AONIA or the RBA Recommended Rate (as applicable) determined by the Calculation Agent, taking into account any rate implemented by central counterparties and/or futures exchanges, in each case with trading volumes in derivatives or futures referencing AONIA or the RBA Recommended Rate (as applicable) that the Calculation Agent considers sufficient for that rate to be a representative alternative rate.</p>
Definitions	
	“AONIA” means the interbank overnight cash rate (AONIA) administered by the Reserve Bank of Australia (or any successor administrator).
	“AONIA Index Cessation Effective Date” means, in respect of AONIA and an AONIA Index Cessation Event, the first date on which AONIA would ordinarily have been provided and is no longer provided.
	“AONIA Index Cessation Event” means, in respect of AONIA:

• Swiss Banking

- (A) a public statement or publication of information by or on behalf of the administrator of AONIA announcing that it has ceased or will cease to provide AONIA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide AONIA; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of AONIA, the central bank for the currency of AONIA, an insolvency official with jurisdiction over the administrator of AONIA, a resolution authority with jurisdiction over the administrator of AONIA or a court or an entity with similar insolvency or resolution authority over the administrator of AONIA, which states that the administrator of AONIA has ceased or will cease to provide AONIA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide AONIA.

“RBA Recommended Rate” means the rate (inclusive of any spreads or adjustments) recommended as the replacement for AONIA by the Reserve Bank of Australia (which rate may be produced by the Reserve Bank of Australia or another administrator) and as provided by the administrator of that rate or, if that rate is not provided by the administrator thereof (or a successor administrator), published by an authorized distributor.

“RBA Recommended Rate Fixing Day” means, in respect of the RBA Recommended Rate and a Reset Date, the publication day specified by the administrator of the RBA Recommended Rate for the RBA Recommended Rate in its benchmark methodology.

“RBA Recommended Rate Index Cessation Effective Date” means, in respect of the RBA Recommended Rate and an RBA Recommended Rate Index Cessation Event, the first date on which the RBA Recommended Rate would ordinarily have been provided and is no longer provided;

“RBA Recommended Rate Index Cessation Event” means, in respect of the RBA Recommended Rate:

- (A) a public statement or publication of information by or on behalf of the administrator of the RBA Recommended Rate announcing that it has ceased or will cease to provide the RBA Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the RBA Recommended Rate; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of the RBA Recommended Rate, the central bank for the currency of the RBA Recommended Rate, an insolvency official with jurisdiction over the administrator of the RBA Recommended Rate, a resolution authority with jurisdiction over the administrator of the RBA Recommended Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the RBA Recommended Rate, which states that the administrator of the RBA Recommended Rate has ceased or will cease to provide the RBA Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the RBA Recommended Rate.

9. CORRA

Floating Rate Option(s)

“CAD-CORRA” means that the rate for a Reset Date will be CORRA as provided by the administrator of CORRA to, and published by, authorized distributors of CORRA in respect of that day at around 9:00 a.m., Toronto time (or any amended publication time as specified by the administrator of CORRA in the CORRA benchmark methodology), on the CORRA Fixing Day, as calculated pursuant to the applicable Overnight Rate Compounding Method or Overnight Rate Averaging Method.

	<p>“CAD-CORRA-OIS-Compound” or “CAD-CORRA-Compound” means that the rate for a Reset Date will be the rate calculated in respect of CORRA according to the OIS Compounding method.</p>
Underlying Benchmark	<p>“Underlying Benchmark” means CORRA.</p>
Fixing Day	<p>“CORRA Fixing Day” means, in respect of CORRA and a Reset Date, the Toronto Banking Day immediately following that day (or any amended publication day for CORRA as specified by the administrator of CORRA in the CORRA benchmark methodology).</p>
Corrections	<p>If that rate is subsequently corrected and provided by the administrator of CORRA to, and published by, authorized distributors of CORRA within the longer of one hour of the time when such rate is first published by authorized distributors of CORRA and the republication cut-off time for CORRA, if any, as specified by the administrator of CORRA in the CORRA benchmark methodology then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.</p>
Rounding	<p>Rounding shall be made to the nearest one hundred-thousandth of a percentage point (0.00001%).</p>
Temporary Non-Publication of CORRA	<p>Subject to the below, if CORRA in respect of the Reset Date is not published by the administrator of CORRA or an authorized distributor and is not otherwise provided by the administrator of CORRA by either (A) the CORRA Fixing Day or (B) such other date on which CORRA is required, then the rate for that Reset Date will be the last provided or published CORRA.</p>
A CORRA Index Cessation Effective Date	<p>If a CORRA Index Cessation Event occurs, the rate for a CORRA Fixing Day occurring on or after the CORRA Index Cessation Effective Date will be the CAD Recommended Rate.</p>
Temporary Non-Publication of CAD Recommended Rate	<p>If there is a CAD Recommended Rate before the end of the first Toronto Banking Day following the CORRA Index Cessation Effective Date but neither the administrator nor authorized distributors provide or publish the CAD Recommended Rate, then, subject to the below, in respect of any day for which the CAD Recommended Rate is required, references to the CAD Recommended Rate will be deemed to be references to the last provided or published CAD Recommended Rate. However, if there is no last provided or published CAD Recommended Rate, then in respect of any day for which the CAD Recommended Rate is required, references to the CAD Recommended Rate will be deemed to be references to the last provided or published CORRA.</p>
No CAD Recommended Rate or CAD Recommended	<p>If:</p> <p>(A) there is no CAD Recommended Rate before the end of the first Toronto Banking Day following the CORRA Index Cessation Effective Date; or</p>

Rate Index Cessation Effective Date (B) there is a CAD Recommended Rate and a CAD Recommended Rate Index Cessation Effective Date subsequently occurs, then the rate for a CORRA Fixing Day occurring on or after the CORRA Index Cessation Effective Date or a CAD Recommended Rate Fixing Day occurring on or after the CAD Recommended Rate Index Cessation Effective Date (as applicable) will be the BOC Target Rate.

BOC Target Rate In respect of any day for which the BOC Target Rate is required, references to the BOC Target Rate will be deemed to be references to the last provided or published BOC Target Rate as at close of business in Toronto on that day.

Definitions

“BOC Target Rate” means the Bank of Canada’s Target for the Overnight Rate as set by the Bank of Canada and published on the Bank of Canada’s Website.

“CAD Recommended Rate” means the rate (inclusive of any spreads or adjustments) recommended as the replacement for CORRA by a committee officially endorsed or convened by the Bank of Canada for the purpose of recommending a replacement for CORRA (which rate may be produced by the Bank of Canada or another administrator) and as provided by the administrator of that rate or, if that rate is not provided by the administrator thereof (or a successor administrator), published by an authorized distributor.

“CAD Recommended Rate Fixing Day” means, in respect of the CAD Recommended Rate and a Reset Date, the publication day specified by the administrator of the CAD Recommended Rate for the CAD Recommended Rate in its benchmark methodology.

“CAD Recommended Rate Index Cessation Effective Date” means, in respect of the CAD Recommended Rate and a CAD Recommended Rate Index Cessation Event, the first date on which the CAD Recommended Rate would ordinarily have been provided and is no longer provided.

“CAD Recommended Rate Index Cessation Event” means, in respect of the CAD Recommended Rate:

- (A) a public statement or publication of information by or on behalf of the administrator of the CAD Recommended Rate announcing that it has ceased or will cease to provide the CAD Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the CAD Recommended Rate; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of the CAD Recommended Rate, the central bank for the currency of the CAD Recommended Rate, an insolvency official with jurisdiction over the administrator of the CAD Recommended Rate, a resolution authority with jurisdiction over the administrator of the CAD Recommended Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the CAD Recommended Rate, which states that the administrator of the CAD Recommended Rate has ceased or will cease to provide the CAD Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the CAD Recommended Rate.

“CORRA” means the Canadian Overnight Repo Rate Average (CORRA) administered by the Bank of Canada (or any successor administrator).

“CORRA Index Cessation Effective Date” means, in respect of CORRA and a CORRA Index Cessation Event, the first date on which CORRA would ordinarily have been provided and is no longer provided.

“CORRA Index Cessation Event” means, in respect of CORRA:

- (A) a public statement or publication of information by or on behalf of the administrator of CORRA announcing that it has ceased or will cease to provide CORRA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide CORRA; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of CORRA, the central bank for the currency of CORRA, an insolvency official with jurisdiction over the administrator of CORRA, a resolution authority with jurisdiction over the administrator of CORRA or a court or an entity with similar insolvency or resolution authority over the administrator of CORRA, which states that the administrator

of CORRA has ceased or will cease to provide CORRA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide CORRA.

10. HONIA

Floating Rate Option(s)	<p>“HKD-HONIA” means that the rate for a Reset Date will be HONIA as provided by the administrator of HONIA to, and published by, authorized distributors of HONIA in respect of that day at around 5:00 p.m., Hong Kong time (or any amended publication time as specified by the administrator of HONIA in the HONIA benchmark methodology), on the HONIA Fixing Day, as calculated pursuant to the applicable Overnight Rate Compounding Method or Overnight Rate Averaging Method.</p> <p>“HKD-HONIA-OIS-Compound” or “HKD-HONIA-Compound” means that the rate for a Reset Date will be the rate calculated in respect of HONIA according to the OIS Compounding method.</p>
Underlying Benchmark	“Underlying Benchmark” means HONIA.
Fixing Day	“HONIA Fixing Day” means, in respect of HONIA and a Reset Date, that day (or any amended publication day for HONIA as specified by the administrator of HONIA in the HONIA benchmark methodology).
Corrections	If that rate is subsequently corrected and provided by the administrator of HONIA to, and published by, authorized distributors of HONIA within the longer of one hour of the time when such rate is first published by authorized distributors of HONIA and the republication cut-off time for HONIA, if any, as specified by the administrator of HONIA in the HONIA benchmark methodology then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.
Rounding	Rounding shall be made to the nearest one hundred-thousandth of a percentage point (0.00001%).
Temporary Non-Publication of HONIA	Subject to the below, if HONIA in respect of the Reset Date is not published by the administrator of HONIA or an authorized distributor and is not otherwise provided by the administrator of HONIA by either (A) the HONIA Fixing Day or (B) such other date on which HONIA is required, then the rate for that Reset Date will be the last provided or published HONIA.

A HONIA Index Cessation Effective Date	<p>If a HONIA Index Cessation Event occurs, the rate for a HONIA Fixing Day occurring on or after the HONIA Index Cessation Effective Date will be the HKD Recommended Rate.</p>
Temporary Non-Publication of HKD Recommended Rate	<p>If there is a HKD Recommended Rate before the end of the first Hong Kong Banking Day following the HONIA Index Cessation Effective Date but neither the administrator nor authorized distributors provide or publish the HKD Recommended Rate, then, subject to the below, in respect of any day for which the HKD Recommended Rate is required, references to the HKD Recommended Rate will be deemed to be references to the last provided or published HKD Recommended Rate. However, if there is no last provided or published HKD Recommended Rate, then in respect of any day for which the HKD Recommended Rate is required, references to the HKD Recommended Rate will be deemed to be references to the last provided or published HONIA.</p>
No HKD Recommended Rate or HKD Recommended Rate Index Cessation Effective Date	<p>If:</p> <ul style="list-style-type: none"> (A) there is no CAD Recommended Rate before the end of the first Toronto Banking Day following the CORRA Index Cessation Effective Date; or (B) there is a CAD Recommended Rate and a CAD Recommended Rate Index Cessation Effective Date subsequently occurs, <p>then the rate for a CORRA Fixing Day occurring on or after the CORRA Index Cessation Effective Date or a CAD Recommended Rate Fixing Day occurring on or after the CAD Recommended Rate Index Cessation Effective Date (as applicable) will be the BOC Target Rate.</p>
Definitions	
<p>“HKD Recommended Rate” means the rate (inclusive of any spreads or adjustments) recommended as the replacement for HONIA by the administrator of HONIA or by a committee officially endorsed or convened by the administrator of HONIA for the purpose of recommending a replacement for HONIA (which rate may be produced by the administrator of HONIA or another administrator) and as provided by the administrator of that rate or, if that rate is not provided by the administrator thereof (or a successor administrator), published by an authorized distributor.</p>	
<p>“HKD Recommended Rate Fixing Day” means, in respect of the HKD Recommended Rate and a Reset Date, the publication day specified by the administrator of the HKD Recommended Rate for the HKD Recommended Rate in its benchmark methodology.</p>	
<p>“HKD Recommended Rate Index Cessation Effective Date” means, in respect of the HKD Recommended Rate and a HKD Recommended Rate Index Cessation Event, the first date on which the HKD Recommended Rate would ordinarily have been provided and is no longer provided.</p>	
<p>“HKD Recommended Rate Index Cessation Event” means, in respect of the HKD Recommended Rate:</p> <ul style="list-style-type: none"> (A) a public statement or publication of information by or on behalf of the administrator of the HKD Recommended Rate announcing that it has ceased or will cease to provide the HKD Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the HKD Recommended Rate; or (B) a public statement or publication of information by the regulatory supervisor for the administrator of the HKD Recommended Rate, the central bank for the currency of the HKD Recommended Rate, an insolvency official with jurisdiction over the administrator of the HKD Recommended Rate, a resolution authority with jurisdiction over the administrator of the HKD Recommended Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the HKD Recommended Rate, which states that the administrator of the HKD Recommended Rate has ceased or will cease to provide the HKD Recommended Rate permanently or 	

indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the HKD Recommended Rate.
“HONIA” means the Hong Kong Dollar Overnight Index Average (HONIA) rate administered by the Treasury Markets Association (or any successor administrator);
“HONIA Index Cessation Effective Date” means, in respect of HONIA and a HONIA Index Cessation Event, the first date on which HONIA would ordinarily have been provided and is no longer provided.
“HONIA Index Cessation Event” means, in respect of HONIA: (A) a public statement or publication of information by or on behalf of the administrator of HONIA announcing that it has ceased or will cease to provide HONIA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide HONIA; or (B) a public statement or publication of information by the regulatory supervisor for the administrator of HONIA, the central bank for the currency of HONIA, an insolvency official with jurisdiction over the administrator of HONIA, a resolution authority with jurisdiction over the administrator of HONIA or a court or an entity with similar insolvency or resolution authority over the administrator of HONIA, which states that the administrator of HONIA has ceased or will cease to provide HONIA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide HONIA.

11. THOR

Floating Rate Option(s)	<p>“THB-THOR” means that the rate for a Reset Date will be THOR as provided by the administrator of THOR to, and published by, authorized distributors of THOR in respect of that day at 5:00 p.m., Bangkok time (or any amended publication time as specified by the administrator of THOR in the THOR benchmark methodology), on the THOR Fixing Day, as calculated pursuant to the applicable Overnight Rate Compounding Method or Overnight Rate Averaging Method.</p> <p>“THB-THOR-OIS-Compound” or “THB-THOR-Compound” means that the rate for a Reset Date will be the rate calculated in respect of THOR according to the OIS Compounding method.</p>
Underlying Benchmark	“Underlying Benchmark” means THOR.
Fixing Day	“THOR Fixing Day” means, in respect of THOR and a Reset Date, that day (or any amended publication day for THOR as specified by the administrator of THOR in the THOR benchmark methodology).
Corrections	If that rate is subsequently corrected and provided by the administrator of THOR to, and published by, authorized distributors of THOR within the longer of one hour of the time when such rate is first published by authorized distributors of THOR and the republication cut-off time for THOR, if any, as specified by the administrator of THOR in the THOR benchmark methodology then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as

	though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.
Rounding	Rounding shall be made to the nearest one hundred-thousandth of a percentage point (0.00001%).
Temporary Non-Publication of THOR	Subject to the below, if THOR in respect of the Reset Date is not published by the administrator of THOR or an authorized distributor and is not otherwise provided by the administrator of THOR by either (A) the THOR Fixing Day or (B) such other date on which THOR is required, then the rate for that Reset Date will be the last provided or published THOR.
A THOR Index Cessation Effective Date	If a THOR Index Cessation Event occurs, the rate for a THOR Fixing Day occurring on or after the THOR Index Cessation Effective Date will be the BOT Recommended Rate.
Temporary Non-Publication of BOT Recommended Rate	If there is a BOT Recommended Rate before the end of the first Bangkok Banking Day following the THOR Index Cessation Effective Date but neither the administrator nor authorized distributors provide or publish the BOT Recommended Rate, then, subject to the below, in respect of any day for which the BOT Recommended Rate is required, references to the BOT Recommended Rate will be deemed to be references to the last provided or published BOT Recommended Rate. However, if there is no last provided or published BOT Recommended Rate, then in respect of any day for which the BOT Recommended Rate is required, references to the BOT Recommended Rate will be deemed to be references to the last provided or published THOR.
No BOT Recommended Rate or BOT Recommended Rate Index Cessation Effective Date	<p>If:</p> <p>(A) there is no BOT Recommended Rate before the end of the first Bangkok Banking Day following the THOR Index Cessation Effective Date; or</p> <p>(B) there is a BOT Recommended Rate and a BOT Recommended Rate Index Cessation Effective Date subsequently occurs,</p> <p>then the rate for a THOR Fixing Day occurring on or after the THOR Index Cessation Effective Date or a BOT Recommended Rate Fixing Day occurring on or after the BOT Recommended Rate Index Cessation Effective Date (as applicable) will be a commercially reasonable alternative for THOR or the BOT Recommended Rate (as applicable) determined by the Calculation Agent, taking into account any rate implemented by central counterparties and/or futures exchanges, in each case with trading volumes in derivatives or futures referencing THOR or the BOT Recommended Rate (as applicable) that the Calculation Agent considers sufficient for that rate to be a representative alternative rate.</p>
Definitions	
	<p>“BOT Recommended Rate” means the rate (inclusive of any spreads or adjustments) recommended as the replacement for THOR by the Bank of Thailand or by a committee officially endorsed or convened by the Bank of Thailand (which rate may be produced by the Bank of Thailand or another administrator) and as provided by the administrator of that rate in respect of the Reset Date or, if that rate is not provided by the administrator thereof (or a successor administrator), published by an authorized distributor.</p>

<p>“BOT Recommended Rate Fixing Day” means, in respect of the BOT Recommended Rate and a Reset Date, the publication day specified by the administrator of the BOT Recommended Rate for the BOT Recommended Rate in its benchmark methodology.</p>
<p>“BOT Recommended Rate Index Cessation Effective Date” means, in respect of the BOT Recommended Rate and a BOT Recommended Rate Index Cessation Event, the first date on which the BOT Recommended Rate would ordinarily have been provided and is no longer provided.</p>
<p>“BOT Recommended Rate Index Cessation Event” means, in respect of the BOT Recommended Rate</p> <p>(A) a public statement or publication of information by or on behalf of the administrator of the BOT Recommended Rate announcing that it has ceased or will cease to provide the BOT Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the BOT Recommended Rate; or</p> <p>(B) a public statement or publication of information by the regulatory supervisor for the administrator of the BOT Recommended Rate, the central bank for the currency of the BOT Recommended Rate, an insolvency official with jurisdiction over the administrator of the BOT Recommended Rate, a resolution authority with jurisdiction over the administrator of the BOT Recommended Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the BOT Recommended Rate, which states that the administrator of the BOT Recommended Rate has ceased or will cease to provide the BOT Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the BOT Recommended Rate.</p>
<p>“THOR” means the Thai Overnight Repurchase Rate provided by the Bank of Thailand as administrator of the benchmark (or any successor administrator).</p>
<p>“THOR Index Cessation Effective Date” means, in respect of THOR and a THOR Index Cessation Event, the first date on which THOR would ordinarily have been provided and is no longer provided.</p>
<p>“THOR Index Cessation Event” means, in respect of THOR:</p> <p>(A) a public statement or publication of information by or on behalf of the administrator of THOR announcing that it has ceased or will cease to provide THOR permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide THOR; or</p> <p>(B) a public statement or publication of information by the regulatory supervisor for the administrator of THOR, the central bank for the currency of THOR, an insolvency official with jurisdiction over the administrator of THOR, a resolution authority with jurisdiction over the administrator of THOR or a court or an entity with similar insolvency or resolution authority over the administrator of THOR, which states that the administrator of THOR has ceased or will cease to provide THOR permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide THOR.</p>

12. NZIONA

Floating Rate Option(s)

“NZD-NZIONA” means that the rate for a Reset Date will be NZIONA as provided by the administrator of NZIONA to, and published by, authorized distributors of NZIONA in respect of that day as of 9:00 a.m., Wellington time (or any amended publication time as specified by the administrator of NZIONA in the NZIONA benchmark methodology), on the NZIONA Fixing Day, as calculated pursuant to the applicable Overnight Rate Compounding Method or Overnight Rate Averaging Method.

	<p>“NZD-NZIONA-OIS-Compound” or “NZD-NZIONA-Compound” means that the rate for a Reset Date will be the rate calculated in respect of NZIONA according to the OIS Compounding method.</p>
Underlying Benchmark	<p>“Underlying Benchmark” means NZIONA.</p>
Fixing Day	<p>“NZIONA Fixing Day” means, in respect of NZIONA and a Reset Date, that day (or any amended publication day for NZIONA as specified by the administrator of NZIONA in the NZIONA benchmark methodology).</p>
Corrections	<p>If that rate is subsequently corrected and provided by the administrator of NZIONA to, and published by, authorized distributors of NZIONA within the longer of one hour of the time when such rate is first published by authorized distributors of NZIONA and the republication cut-off time for NZIONA, if any, as specified by the administrator of NZIONA in the NZIONA benchmark methodology then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.</p>
Rounding	<p>Rounding shall be made to the nearest one ten-thousandth of a percentage point (0.0001%).</p>
Temporary Non-Publication of NZIONA	<p>Subject to the below, if NZIONA in respect of the Reset Date is not published by the administrator of NZIONA or an authorized distributor and is not otherwise provided by the administrator of NZIONA by either (A) the NZIONA Fixing Day or (B) such other date on which NZIONA is required, then the rate for that Reset Date will be the last provided or published NZIONA.</p>
A NZIONA Index Cessation Effective Date	<p>If an NZIONA Index Cessation Event occurs, the rate for an NZIONA Fixing Day occurring on or after the NZIONA Index Cessation Effective Date will be the RBNZ Recommended Rate.</p>
Temporary Non-Publication of RBNZ Recommended Rate	<p>If there is an RBNZ Recommended Rate before the end of the first Wellington and Auckland Banking Day following the NZIONA Index Cessation Effective Date but neither the administrator nor authorized distributors provide or publish the RBNZ Recommended Rate, then, subject to the below, in respect of any day for which the RBNZ Recommended Rate is required, references to the RBNZ Recommended Rate will be deemed to be references to the last provided or published RBNZ Recommended Rate. However, if there is no last provided or published RBNZ Recommended Rate, then in respect of any day for which the RBNZ Recommended Rate is required, references to the RBNZ Recommended Rate will be deemed to be references to the last provided or published NZIONA.</p>
No RBNZ Recommended Rate or RBNZ Recommended Rate Index	<p>If:</p> <ul style="list-style-type: none"> (A) there is no RBNZ Recommended Rate before the end of the first Wellington and Auckland Banking Day following the NZIONA Index Cessation Effective Date; or

Cessation Effective Date (B) there is an RBNZ Recommended Rate and an RBNZ Recommended Rate Index Cessation Effective Date subsequently occurs, then the rate for an NZIONA Fixing Day occurring on or after the NZIONA Index Cessation Effective Date or an RBNZ Recommended Rate Fixing Day occurring on or after the RBNZ Recommended Rate Index Cessation Effective Date (as applicable) will be a commercially reasonable alternative for NZIONA or the RBNZ Recommended Rate (as applicable) determined by the Calculation Agent, taking into account any rate implemented by central counterparties and/or futures exchanges, in each case with trading volumes in derivatives or futures referencing NZIONA or the RBNZ Recommended Rate (as applicable) that the Calculation Agent considers sufficient for that rate to be a representative alternative rate.

Definitions

“NZIONA” means the official cash rate set by the Reserve Bank of New Zealand (or any successor administrator).

“NZIONA Index Cessation Effective Date” means, in respect of NZIONA and an NZIONA Index Cessation Event, the first date on which NZIONA would ordinarily have been provided and is no longer provided.

“NZIONA Index Cessation Event” means, in respect of NZIONA:

- (A) a public statement or publication of information by or on behalf of the administrator of NZIONA announcing that it has ceased or will cease to provide NZIONA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide NZIONA; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of NZIONA, the central bank for the currency of NZIONA, an insolvency official with jurisdiction over the administrator of NZIONA, a resolution authority with jurisdiction over the administrator of NZIONA or a court or an entity with similar insolvency or resolution authority over the administrator of NZIONA, which states that the administrator of NZIONA has ceased or will cease to provide NZIONA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide NZIONA.

“RBNZ Recommended Rate” means the rate (inclusive of any spreads or adjustments) recommended as the replacement for NZIONA by the Reserve Bank of New Zealand (which rate may be produced by the Reserve Bank of New Zealand or another administrator) and as provided by the administrator of that rate or, if that rate is not provided by the administrator thereof (or a successor administrator), published by an authorized distributor.

“RBNZ Recommended Rate Fixing Day” means, in respect of the RBNZ Recommended Rate and a Reset Date, the publication day specified by the administrator of the RBNZ Recommended Rate for the RBNZ Recommended Rate in its benchmark methodology.

“RBNZ Recommended Rate Index Cessation Effective Date” means, in respect of the RBNZ Recommended Rate and an RBNZ Recommended Rate Index Cessation Event, the first date on which the RBNZ Recommended Rate would ordinarily have been provided and is no longer provided.

• Swiss Banking

“RBNZ Recommended Rate Index Cessation Event” means, in respect of the RBNZ Recommended Rate:

- (A) a public statement or publication of information by or on behalf of the administrator of the RBNZ Recommended Rate announcing that it has ceased or will cease to provide the RBNZ Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the RBNZ Recommended Rate; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of the RBNZ Recommended Rate, the central bank for the currency of the RBNZ Recommended Rate, an insolvency official with jurisdiction over the administrator of the RBNZ Recommended Rate, a resolution authority with jurisdiction over the administrator of the RBNZ Recommended Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the RBNZ Recommended Rate, which states that the administrator of the RBNZ Recommended Rate has ceased or will cease to provide the RBNZ Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the RBNZ Recommended Rate.

13. NOWA

Floating Rate Option(s)

“NOK-NOWA” means that the rate for a Reset Date will be NOWA as provided by the administrator of NOWA to, and published by, authorized distributors of NOWA in respect of that day as of 9:00 a.m., Oslo time (or any amended publication time as specified by the administrator of NOWA in the NOWA benchmark methodology), on the NOWA Fixing Day, as calculated pursuant to the applicable Overnight Rate Compounding Method or Overnight Rate Averaging Method.

“NOK-NOWA-OIS-Compound” or **“NOK-NOWA-Compound”** means that the rate for a Reset Date will be the rate calculated in respect of NOWA according to the OIS Compounding method.

Underlying Benchmark

“Underlying Benchmark” means NOWA.

Fixing Day

“NOWA Fixing Day” means, in respect of NOWA and a Reset Date, the Oslo Banking Day immediately following that day (or any amended publication day for NOWA as specified by the administrator of NOWA in the NOWA benchmark methodology).

Corrections

If that rate is subsequently corrected and provided by the administrator of NOWA to, and published by, authorized distributors of NOWA within the longer of one hour of the time when such rate is first published by authorized distributors of NOWA and the republication cut-off time for NOWA, if any, as specified by the administrator of NOWA in the NOWA benchmark methodology then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.

Rounding	Rounding shall be made to the nearest one hundred-thousandth of a percentage point (0.00001%).
Temporary Non-Publication of NOWA	Subject to the below, if NOWA in respect of the Reset Date is not published by the administrator of NOWA or an authorized distributor and is not otherwise provided by the administrator of NOWA by either (A) the NOWA Fixing Day or (B) such other date on which NOWA is required, then the rate for that Reset Date will be the last provided or published NOWA.
A NOWA Index Cessation Effective Date	If a NOWA Index Cessation Event occurs, the rate for a NOWA Fixing Day occurring on or after the NOWA Index Cessation Effective Date will be the NOK Recommended Rate.
Temporary Non-Publication of NOK Recommended Rate	If there is a NOK Recommended Rate before the end of the first Oslo Banking Day following the NOWA Index Cessation Effective Date but neither the administrator nor authorized distributors provide or publish the NOK Recommended Rate, then, subject to the below, in respect of any day for which the NOK Recommended Rate is required, references to the NOK Recommended Rate will be deemed to be references to the last provided or published NOK Recommended Rate. However, if there is no last provided or published NOK Recommended Rate, then in respect of any day for which the NOK Recommended Rate is required, references to the NOK Recommended Rate will be deemed to be references to the last provided or published NOWA.
No NOK Recommended Rate or NOK Recommended Rate Index Cessation Effective Date	If: (A) there is no NOK Recommended Rate before the end of the first Oslo Banking Day following the NOWA Index Cessation Effective Date; or (B) there is a NOK Recommended Rate and a NOK Recommended Rate Index Cessation Effective Date subsequently occurs, then the rate for a NOWA Fixing Day occurring on or after the NOWA Index Cessation Effective Date or a NOK Recommended Rate Fixing Day occurring on or after the NOK Recommended Rate Index Cessation Effective Date (as applicable) will be the NB Policy Rate.
Temporary Non-Publication of NB Policy Rate	If neither the administrator nor authorized distributors provide or publish the NB Policy Rate and an NB Policy Rate Index Cessation Effective Date has not occurred, then in respect of any day for which the NB Policy Rate is required, references to the NB Policy Rate will be deemed to be references to the last provided or published NB Policy Rate.
Definitions	
	“NB Policy Rate” means the policy rate as set by Norges Bank and published on Norges Bank’s Website.
	“NB Policy Rate Index Cessation Effective Date” means, in respect of the NB Policy Rate and an NB Policy Rate Index Cessation Event, the first date on which the NB Policy Rate would ordinarily have been provided and is no longer provided.
	“NB Policy Rate Index Cessation Event” means, in respect of the NB Policy Rate: (A) a public statement or publication of information by or on behalf of the administrator of the NB Policy Rate announcing that it has ceased or will cease to provide the NB Policy Rate permanently or indefinitely, provided

that, at the time of the statement or publication, there is no successor administrator that will continue to provide the NB Policy Rate; or

- (B) a public statement or publication of information by the regulatory supervisor for the administrator of the NB Policy Rate, the central bank for the currency of the NB Policy Rate, an insolvency official with jurisdiction over the administrator of the NB Policy Rate, a resolution authority with jurisdiction over the administrator of the NB Policy Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the NB Policy Rate, which states that the administrator of the NB Policy Rate has ceased or will cease to provide the NB Policy Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the NB Policy Rate.

“NOK Recommended Rate” means the rate (inclusive of any spreads or adjustments) recommended as the replacement for NOWA by Norges Bank (or any successor administrator of NOWA) and/or by a committee officially endorsed or convened by Norges Bank (or any successor administrator of NOWA) for the purpose of recommending a replacement for NOWA (which rate may be produced by Norges Bank or another administrator) and as provided by the administrator of that rate or, if that rate is not provided by the administrator thereof (or a successor administrator), published by an authorized distributor.

“NOK Recommended Rate Fixing Day” means, in respect of the NOK Recommended Rate and a Reset Date, the publication day specified by the administrator of the NOK Recommended Rate for the NOK Recommended Rate in its benchmark methodology.

“NOK Recommended Rate Index Cessation Effective Date” means, in respect of the NOK Recommended Rate and a NOK Recommended Rate Index Cessation Event, the first date on which the NOK Recommended Rate would ordinarily have been provided and is no longer provided.

“NOK Recommended Rate Index Cessation Event” means, in respect of the NOK Recommended Rate:

- (A) a public statement or publication of information by or on behalf of the administrator of the NOK Recommended Rate announcing that it has ceased or will cease to provide the NOK Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the NOK Recommended Rate; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of the NOK Recommended Rate, the central bank for the currency of the NOK Recommended Rate, an insolvency official with jurisdiction over the administrator of the NOK Recommended Rate, a resolution authority with jurisdiction over the administrator of the NOK Recommended Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the NOK Recommended Rate, which states that the administrator of the NOK Recommended Rate has ceased or will cease to provide the NOK Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the NOK Recommended Rate.

“NOWA” means the Norwegian Overnight Weighted Average (NOWA) administered by Norges Bank (or any successor administrator).

“NOWA Index Cessation Effective Date” means, in respect of NOWA and a NOWA Index Cessation Event, the first date on which NOWA would ordinarily have been provided and is no longer provided.

“NOWA Index Cessation Event” means, in respect of NOWA:

- (A) a public statement or publication of information by or on behalf of the administrator of NOWA announcing that it has ceased or will cease to provide NOWA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide NOWA; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of NOWA, the central bank for the currency of NOWA, an insolvency official with jurisdiction over the administrator of NOWA, a resolution authority with jurisdiction over the administrator of NOWA or a court or an entity with similar insolvency or resolution authority over the administrator of NOWA, which states that the administrator of NOWA has ceased or will cease to provide NOWA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide NOWA.

14. BSBY

Floating Rate Option(s)	<p>“USD-BSBY” means that the rate for a Reset Date will be BSBY for a period of the Designated Maturity as provided by the administrator of BSBY to, and published by, authorized distributors of BSBY as of 8:00 a.m., New York City time (or any amended publication time for BSBY, as specified by the BSBY administrator in the BSBY benchmark methodology) on the day that is two U.S. Government Securities Business Days preceding that Reset Date.</p>
Underlying Benchmark	<p>“Underlying Benchmark” means BSBY.</p>
Corrections	<p>If that rate is subsequently corrected and provided by the administrator of BSBY to, and published by, authorized distributors of BSBY within the longer of one hour of the time when such rate is first published by authorized distributors of BSBY and the republication cut-off time for BSBY, if any, as specified by the BSBY administrator in the BSBY benchmark methodology, then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.</p>
Temporary Non-Publication of BSBY	<p>Subject to the below, if BSBY for a period of the Designated Maturity in respect of the day that is two U.S. Government Securities Business Days preceding the Reset Date is not published by the administrator of BSBY or an authorized distributor and is not otherwise provided by the administrator of BSBY by either (A) the Reset Date or (B) such other date on which BSBY is required, then the rate for that Reset Date will be the last provided or published BSBY for a period of the Designated Maturity as of the day that is two U.S. Government Securities Business Days preceding that Reset Date.</p>
A BSBY Index Cessation Effective Date	<p>If a BSBY Index Cessation Event occurs, the rate for a Reset Date occurring two or more U.S. Government Securities Business Days after the BSBY Index Cessation Effective Date will be the BSBY Recommended Rate for a period of the Designated Maturity.</p>
Temporary Non-Publication of BSBY Recommended Rate	<p>Subject to the below, if there is a BSBY Recommended Rate before the end of the first U.S. Government Securities Business Day following the BSBY Index Cessation Effective Date but neither the administrator nor authorized distributors provide or publish the BSBY Recommended Rate for a period of the Designated Maturity, then, in respect of any day for which the BSBY Recommended Rate is required, references to the BSBY Recommended Rate for a period of the Designated Maturity will be deemed to be references to the last provided or published BSBY Recommended Rate for a period of the Designated Maturity. However, if there is no last provided or published BSBY Recommended Rate for a period of the Designated Maturity, then in respect of any day for which the</p>

	<p>BSBY Recommended Rate is required, references to the BSBY Recommended Rate for a period of the Designated Maturity will be deemed to be references to the last provided or published BSBY for a period of the Designated Maturity.</p>
<p>No BSBY Recommended Rate or BSBY Recommended Rate Index Cessation Effective Date</p>	<p>If:</p> <p>(A) there is no BSBY Recommended Rate before the end of the first U.S. Government Securities Business Day following the BSBY Index Cessation Effective Date; or</p> <p>(B) there is a BSBY Recommended Rate and a BSBY Recommended Rate Index Cessation Effective Date subsequently occurs,</p> <p>then the rate for a (I) Reset Date occurring two or more U.S. Government Securities Business Days after the BSBY Index Cessation Effective Date or (II) BSBY Recommended Rate Fixing Day occurring on or after the BSBY Recommended Rate Index Cessation Effective Date (as applicable) will be a commercially reasonable alternative for BSBY for a period of the Designated Maturity determined by the Calculation Agent.</p>
<p>Discontinued Rates Maturities</p>	<p>The provisions of this Rate Option are subject to Part A, Clause 5 (Discontinued Rates Maturities Protocol), provided that if:</p> <p>(A) BSBY for a period of the Designated Maturity is permanently unavailable following a public statement or publication of information which would constitute a BSBY Index Cessation Event in respect of BSBY for a period of the Designated Maturity; and</p> <p>(B) the Swap Transaction is not a Covered Swap Transaction because there is either no Nearest Long Rate or no Nearest Short Rate, then a BSBY Index Cessation Event shall be deemed to have occurred and the BSBY Index Cessation Effective Date shall be the first date on which BSBY would ordinarily have been provided and there is no Nearest Long Rate or Nearest Short Rate (or, if later, the first date on which BSBY for a period of the Designated Maturity would ordinarily have been provided and is permanently unavailable following a public statement or publication of information which would constitute a BSBY Index Cessation Event in respect of BSBY for a period of the Designated Maturity).</p>
<p>Definitions</p>	
	<p>“BSBY” means the U.S. Dollar wholesale funding rate known as ‘BSBY’ (the Bloomberg Short-Term Bank Yield Index) and provided by Bloomberg Index Services Limited as administrator of the benchmark (or a successor administrator).</p>
	<p>“BSBY Index Cessation Effective Date” means, in respect of BSBY and a BSBY Index Cessation Event, the first date on which BSBY would ordinarily have been provided and is no longer provided.</p>
	<p>“BSBY Index Cessation Event” means, in respect of BSBY:</p> <p>(A) a public statement or publication of information by or on behalf of the administrator of BSBY announcing that it has ceased or will cease to provide BSBY permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide BSBY; or</p> <p>(B) a public statement or publication of information by the regulatory supervisor for the administrator of BSBY, the central bank for the currency of BSBY, an insolvency official with jurisdiction over the administrator of BSBY, a resolution authority with jurisdiction over the administrator of BSBY or a court or an entity with similar insolvency or resolution authority over the administrator of BSBY, which states that the administrator of BSBY has</p>

	ceased or will cease to provide BSBY permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide BSBY.
	“BSBY Recommended Rate” means the rate (inclusive of any spreads or adjustments) recommended as the replacement for BSBY by the administrator of BSBY (which rate may be produced by the administrator of BSBY or another administrator) and as provided by the administrator thereof (or a successor administrator) or, if that rate is not provided by the administrator thereof (or a successor administrator), published by an authorized distributor.
	“BSBY Recommended Rate Fixing Day” means, in respect of the BSBY Recommended Rate and a Reset Date, the day on which the BSBY Recommended Rate would ordinarily be observed.
	“BSBY Recommended Rate Index Cessation Effective Date” means, in respect of the BSBY Recommended Rate and a BSBY Recommended Rate Index Cessation Event, the first date on which the BSBY Recommended Rate would ordinarily have been provided and is no longer provided.
	“BSBY Recommended Rate Index Cessation Event” means, in respect of the BSBY Recommended Rate: (A) a public statement or publication of information by or on behalf of the administrator of the BSBY Recommended Rate announcing that it has ceased or will cease to provide the BSBY Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the BSBY Recommended Rate; or (B) a public statement or publication of information by the regulatory supervisor for the administrator of the BSBY Recommended Rate, the central bank for the currency of the BSBY Recommended Rate, an insolvency official with jurisdiction over the administrator of the BSBY Recommended Rate, a resolution authority with jurisdiction over the administrator of the BSBY Recommended Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the BSBY Recommended Rate, which states that the administrator of the BSBY Recommended Rate has ceased or will cease to provide the BSBY Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the BSBY Recommended Rate.

15. AMERIBOR

Floating Rate Option(s)	“USD-AMERIBOR” means that the rate for a Reset Date will be AMERIBOR as provided by the administrator of AMERIBOR to, and published by, authorized distributors of AMERIBOR as of 6:00 p.m., U.S. central (Chicago) time (or the amended publication time for AMERIBOR, if any, as specified by the AMERIBOR benchmark administrator in the AMERIBOR benchmark methodology) on that Reset Date.
Underlying Benchmark	“Underlying Benchmark” means AMERIBOR.
Corrections	If that rate is subsequently corrected and provided by the administrator of AMERIBOR to, and published by, authorized distributors of AMERIBOR within the longer of one hour of the time when such rate is first published by authorized distributors of AMERIBOR and the republication cut-off time for AMERIBOR, if any, as specified by the AMERIBOR benchmark administrator in the AMERIBOR benchmark methodology then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed

	Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.
Fallback	If, by 7:30 p.m., U.S. central (Chicago) time (or the amended republication cut-off time for AMERIBOR, if any, as specified by the AMERIBOR benchmark administrator in the AMERIBOR benchmark methodology) on that Reset Date, neither the administrator of AMERIBOR nor any authorized distributor of AMERIBOR has provided or published AMERIBOR in respect of that Reset Date, then the rate for that Reset Date will be a commercially reasonable alternative for AMERIBOR determined by the Calculation Agent by reference to the American Financial Exchange Rulebook (or any successor thereto) and the AMERIBOR benchmark methodology and based on alternative price sources, market data, information from recognized dealers in the relevant markets or other sources that the Calculation Agent determines to be commercially reasonable for that rate to be a representative alternative rate.
Definitions	
	“AMERIBOR” means the closing rate for overnight unsecured loans in U.S. Dollars transacted on the American Financial Exchange, LLC known as ‘AMERIBOR’ (the American Interbank Offer Rate) and provided by American Financial Exchange, LLC as administrator of the benchmark (or a successor administrator).

16. AMERIBOR Average 30D

Floating Rate Option(s)	“USD-AMERIBOR Average 30D” means that the rate for a Reset Date will be the AMERIBOR 30-day arithmetic average as provided by the administrator of AMERIBOR to, and published by, authorized distributors of AMERIBOR as of 6:00 p.m., U.S. central (Chicago) time (or the amended publication time for the AMERIBOR 30-day arithmetic average, if any, as specified by the AMERIBOR benchmark administrator in the AMERIBOR benchmark methodology) on that Reset Date.
Underlying Benchmark	“Underlying Benchmark” means AMERIBOR 30-day arithmetic average.
Corrections	If that rate is subsequently corrected and provided by the administrator of AMERIBOR to, and published by, authorized distributors of AMERIBOR within the longer of one hour of the time when such rate is first published by authorized distributors of AMERIBOR and the republication cut-off time for AMERIBOR, if any, as specified by the AMERIBOR benchmark administrator in the AMERIBOR benchmark methodology then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.

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Fallback	<p>If, by 7.30 p.m., U.S. central (Chicago) time (or the amended republication cut-off time for AMERIBOR, if any, as specified by the AMERIBOR benchmark administrator in the AMERIBOR benchmark methodology) on that Reset Date, neither the administrator of AMERIBOR nor any authorised distributor of AMERIBOR has provided or published the arithmetic average rate for the AMERIBOR 30-day arithmetic average in respect of that Reset Date, then the rate for that Reset Date will be the arithmetic average rate for overnight AMERIBOR for the period of 30 days up to and including the Reset Date determined by the Calculation Agent provided that if, by 7.30 p.m., U.S. central (Chicago) time (or the amended republication cut-off time for AMERIBOR, if any, as specified by the AMERIBOR benchmark administrator in the AMERIBOR benchmark methodology) on that Reset Date, neither the administrator of AMERIBOR nor any authorised distributor of AMERIBOR has provided or published overnight AMERIBOR for each day in the period of 30 days up to and including the Reset Date, for each day for which overnight AMERIBOR is unavailable, overnight AMERIBOR for that day shall be a commercially reasonable alternative for AMERIBOR for the relevant day determined by the Calculation Agent by reference to the American Financial Exchange Rulebook (or any successor thereto) and the AMERIBOR benchmark methodology and based on alternative price sources, market data, information from recognized dealers in the relevant markets or other sources that the Calculation Agent determines to be commercially reasonable for that rate to be a representative alternative rate.</p>
Definitions	N/A

17. AMERIBOR Average 90D

Floating Rate Option(s)	<p>“USD-AMERIBOR Average 90D” means that the rate for a Reset Date will be the AMERIBOR 90-day arithmetic average as provided by the administrator of AMERIBOR to, and published by, authorized distributors of AMERIBOR as of 6:00 p.m., U.S. central (Chicago) time (or the amended publication time for the AMERIBOR 90-day arithmetic average, if any, as specified by the AMERIBOR benchmark administrator in the AMERIBOR benchmark methodology) on that Reset Date.</p>
Underlying Benchmark	<p>“Underlying Benchmark” means AMERIBOR 90-day arithmetic average.</p>
Corrections	<p>If that rate is subsequently corrected and provided by the administrator of AMERIBOR to, and published by, authorized distributors of AMERIBOR within the longer of one hour of the time when such rate is first published by</p>

authorized distributors of AMERIBOR and the republication cut-off time for AMERIBOR, if any, as specified by the AMERIBOR benchmark administrator in the AMERIBOR benchmark methodology then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.

Fallback

If, by 7.30 p.m., U.S. central (Chicago) time (or the amended republication cut-off time for AMERIBOR, if any, as specified by the AMERIBOR benchmark administrator in the AMERIBOR benchmark methodology) on that Reset Date, neither the administrator of AMERIBOR nor any authorised distributor of AMERIBOR has provided or published the arithmetic average rate for the AMERIBOR 90-day arithmetic average in respect of that Reset Date, then the rate for that Reset Date will be the arithmetic average rate for overnight AMERIBOR for the period of 90 days up to and including the Reset Date determined by the Calculation Agent provided that if, by 7.30 p.m., U.S. central (Chicago) time (or the amended republication cut-off time for AMERIBOR, if any, as specified by the AMERIBOR benchmark administrator in the AMERIBOR benchmark methodology) on that Reset Date, neither the administrator of AMERIBOR nor any authorised distributor of AMERIBOR has provided or published overnight AMERIBOR for each day in the period of 90 days up to and including the Reset Date, for each day for which overnight AMERIBOR is unavailable, overnight AMERIBOR for that day shall be a commercially reasonable alternative for AMERIBOR for the relevant day determined by the Calculation Agent by reference to the American Financial Exchange Rulebook (or any successor thereto) and the AMERIBOR benchmark methodology and based on alternative price sources, market data, information from recognized dealers in the relevant markets or other sources that the Calculation Agent determines to be commercially reasonable for that rate to be a representative alternative rate.

Definitions

N/A

18. AMERIBOR Term

Floating Rate Option(s)

“USD-AMERIBOR Term” means that the rate for a Reset Date will be AMERIBOR Term for a period of the Designated Maturity as provided by the administrator of AMERIBOR Term to, and published by, authorized distributors of AMERIBOR Term as of 7:30 a.m., U.S. central (Chicago) time (or any amended publication time for AMERIBOR Term, as specified by the AMERIBOR Term

	administrator in the AMERIBOR Term benchmark methodology) on the AMERIBOR Term Fixing Day.
Underlying Benchmark	“Underlying Benchmark” means AMERIBOR Term.
Fixing Day	“AMERIBOR Term Fixing Day” means, in respect of a Reset Date, the New York Fed Business Day immediately following that Reset Date (or any amended publication day for AMERIBOR Term, as specified by the AMERIBOR Term administrator in the AMERIBOR Term benchmark methodology).
Corrections	If that rate is subsequently corrected and provided by the administrator of AMERIBOR Term to, and published by, authorized distributors of AMERIBOR Term within the longer of one hour of the time when such rate is first published by authorized distributors of AMERIBOR Term and the republication cut-off time for AMERIBOR Term, if any, as specified by the AMERIBOR Term administrator in the AMERIBOR Term benchmark methodology then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.
Temporary Non-Publication of AMERIBOR Term	Subject to the below, if AMERIBOR Term for a period of the Designated Maturity in respect of the Reset Date is not published by the administrator of AMERIBOR Term or an authorized distributor and is not otherwise provided by the administrator of AMERIBOR Term by either (A) the AMERIBOR Term Fixing Day or (B) such other date on which AMERIBOR Term is required, then the rate for that Reset Date will be the last provided or published AMERIBOR Term for a period of the Designated Maturity.
An AMERIBOR Term Index Cessation Effective Date	If an AMERIBOR Term Index Cessation Event occurs, the rate for an AMERIBOR Term Fixing Day occurring on or after the AMERIBOR Term Index Cessation Effective Date will be the AMERIBOR Term Recommended Rate for a period of the Designated Maturity.
Temporary Non-Publication of AMERIBOR Term Recommended Rate	Subject to the below, if there is an AMERIBOR Term Recommended Rate before the end of the first New York Fed Business Day following the AMERIBOR Term Index Cessation Effective Date but neither the administrator nor authorized distributors provide or publish the AMERIBOR Term Recommended Rate for a period of the Designated Maturity, then, in respect of any day for which the AMERIBOR Term Recommended Rate is required, references to the AMERIBOR Term Recommended Rate for a period of the Designated Maturity will be deemed to be references to the last provided or published AMERIBOR Term Recommended Rate for a period of the Designated Maturity. However, if there is no last provided or published AMERIBOR Term Recommended Rate for a period of the Designated Maturity, then in respect of any day for which the AMERIBOR Term Recommended Rate is required, references to the AMERIBOR Term Recommended Rate for a period of the Designated Maturity will be deemed to

	be references to the last provided or published AMERIBOR Term for a period of the Designated Maturity.
No AMERIBOR Term Recommended Rate or AMERIBOR Term Recommended Rate Index Cessation Effective Date	<p>If:</p> <p>(A) there is no AMERIBOR Term Recommended Rate before the end of the first New York Fed Business Day following the AMERIBOR Term Index Cessation Effective Date; or</p> <p>(B) there is an AMERIBOR Term Recommended Rate and an AMERIBOR Term Recommended Rate Index Cessation Effective Date subsequently occurs, then the rate for an (I) AMERIBOR Term Fixing Day occurring on or after the AMERIBOR Term Index Cessation Effective Date or (II) AMERIBOR Term Recommended Rate Fixing Day occurring on or after the AMERIBOR Term Recommended Rate Index Cessation Effective Date (as applicable) will be a commercially reasonable alternative for AMERIBOR Term for a period of the Designated Maturity determined by the Calculation Agent.</p>
Discontinued Rates Maturities	<p>The provisions of this Rate Option are subject to Part A, Clause 5 (Discontinued Rates Maturities Protocol), provided that if:</p> <p>(A) AMERIBOR Term for a period of the Designated Maturity is permanently unavailable following a public statement or publication of information which would constitute an AMERIBOR Term Index Cessation Event in respect of AMERIBOR Term for a period of the Designated Maturity; and</p> <p>(B) the Swap Transaction is not a Covered Swap Transaction because there is either no Nearest Long Rate or no Nearest Short Rate, then an AMERIBOR Term Index Cessation Event shall be deemed to have occurred and the AMERIBOR Term Index Cessation Effective Date shall be the first date on which AMERIBOR Term would ordinarily have been provided and there is no Nearest Long Rate or Nearest Short Rate (or, if later, the first date on which AMERIBOR Term for a period of the Designated Maturity would ordinarily have been provided and is permanently unavailable following a public statement or publication of information which would constitute an AMERIBOR Term Index Cessation Event in respect of AMERIBOR Term for a period of the Designated Maturity).</p>
Definitions	
	“AMERIBOR Term” means the U.S. Dollar wholesale funding rate known as ‘AMERIBOR Term’ (the American Interbank Offered Rate) and provided by the American Financial Exchange as administrator of the benchmark (or a successor administrator).
	“AMERIBOR Term Index Cessation Effective Date” means, in respect of AMERIBOR Term and an AMERIBOR Term Index Cessation Event, the first date on which AMERIBOR Term would ordinarily have been provided and is no longer provided.
	“AMERIBOR Term Index Cessation Event” means, in respect of AMERIBOR Term:
	(A) a public statement or publication of information by or on behalf of the administrator of AMERIBOR Term announcing that it has ceased or will cease to provide AMERIBOR Term permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide AMERIBOR Term; or

(B) a public statement or publication of information by the regulatory supervisor for the administrator of AMERIBOR Term, the central bank for the currency of AMERIBOR Term, an insolvency official with jurisdiction over the administrator of AMERIBOR Term, a resolution authority with jurisdiction over the administrator of AMERIBOR Term or a court or an entity with similar insolvency or resolution authority over the administrator of AMERIBOR Term, which states that the administrator of AMERIBOR Term has ceased or will cease to provide AMERIBOR Term permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide AMERIBOR Term.

“AMERIBOR Term Recommended Rate Fixing Day” means, in respect of the AMERIBOR Term Recommended Rate and a Reset Date, the publication day specified by the administrator of the AMERIBOR Term Recommended Rate for the AMERIBOR Term Recommended Rate in its benchmark methodology.

“AMERIBOR Term Recommended Rate Index Cessation Effective Date” means, in respect of the AMERIBOR Term Recommended Rate and an AMERIBOR Term Recommended Rate Index Cessation Event, the first date on which the AMERIBOR Term Recommended Rate would ordinarily have been provided and is no longer provided.

“AMERIBOR Term Recommended Rate Index Cessation Event” means, in respect of the AMERIBOR Term Recommended Rate:

- (A) a public statement or publication of information by or on behalf of the administrator of the AMERIBOR Term Recommended Rate announcing that it has ceased or will cease to provide the AMERIBOR Term Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the AMERIBOR Term Recommended Rate; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of the AMERIBOR Term Recommended Rate, the central bank for the currency of the AMERIBOR Term Recommended Rate, an insolvency official with jurisdiction over the administrator of the AMERIBOR Term Recommended Rate, a resolution authority with jurisdiction over the administrator of the AMERIBOR Term Recommended Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the AMERIBOR Term Recommended Rate, which states that the administrator of the AMERIBOR Term Recommended Rate has ceased or will cease to provide the AMERIBOR Term Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the AMERIBOR Term Recommended Rate.

19. ICE Term SONIA

Floating Rate Option(s)

“GBP-SONIA ICE Term” means that the rate for a Reset Date will be ICE Term SONIA for a period of the Designated Maturity as provided by the administrator of ICE Term SONIA to, and published by, authorized distributors of ICE Term SONIA at 11.55 a.m., London time (or any amended publication time for ICE Term SONIA, as specified by the ICE Term SONIA administrator in the ICE Term SONIA benchmark methodology) on the ICE Term SONIA Fixing Day.

Underlying Benchmark

“Underlying Benchmark” means ICE Term SONIA.

Corrections

If that rate is subsequently corrected and provided by the administrator of ICE Term SONIA to, and published by, authorized distributors of ICE Term SONIA within the longer of one hour of the time when such rate is first published by authorized distributors of ICE Term SONIA and the republication cut-off time for ICE Term SONIA, if any, as specified by the ICE Term SONIA administrator in

	<p>the ICE Term SONIA benchmark methodology then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.</p>
<p>Temporary Non-Publication of ICE Term SONIA</p>	<p>Subject to the below, if ICE Term SONIA for a period of the Designated Maturity in respect of the Reset Date is not published by the administrator of ICE Term SONIA or an authorized distributor and is not otherwise provided by the administrator of ICE Term SONIA by either (A) the ICE Term SONIA Fixing Day or (B) such other date on which ICE Term SONIA is required, then the rate for that Reset Date will be the last provided or published ICE Term SONIA for a period of the Designated Maturity.</p>
<p>An ICE Term SONIA Index Cessation Effective Date</p>	<p>If an ICE Term SONIA Index Cessation Event occurs, the rate for an ICE Term SONIA Fixing Day occurring on or after the ICE Term SONIA Index Cessation Effective Date will be the ICE Term SONIA Recommended Rate for a period of the Designated Maturity.</p>
<p>Temporary Non-Publication of ICE Term SONIA Recommended Rate</p>	<p>Subject to the below, if there is an ICE Term SONIA Recommended Rate before the end of the first London Banking Day following the ICE Term SONIA Index Cessation Effective Date but neither the administrator nor authorized distributors provide or publish the ICE Term SONIA Recommended Rate for a period of the Designated Maturity, then, in respect of any day for which the ICE Term SONIA Recommended Rate is required, references to the ICE Term SONIA Recommended Rate for a period of the Designated Maturity will be deemed to be references to the last provided or published ICE Term SONIA Recommended Rate for a period of the Designated Maturity. However, if there is no last provided or published ICE Term SONIA Recommended Rate for a period of the Designated Maturity, then in respect of any day for which the ICE Term SONIA Recommended Rate is required, references to the ICE Term SONIA Recommended Rate for a period of the Designated Maturity will be deemed to be references to the last provided or published ICE Term SONIA for a period of the Designated Maturity</p>
<p>No ICE Term SONIA Recommended Rate or ICE Term SONIA Recommended Rate Index Cessation Effective Date</p>	<p>If:</p> <ul style="list-style-type: none"> (A) there is no AMERIBOR Term Recommended Rate before the end of the first New York Fed Business Day following the AMERIBOR Term Index Cessation Effective Date; or (B) there is an AMERIBOR Term Recommended Rate and an AMERIBOR Term Recommended Rate Index Cessation Effective Date subsequently occurs, then the rate for an (I) AMERIBOR Term Fixing Day occurring on or after the AMERIBOR Term Index Cessation Effective Date or (II) AMERIBOR Term Recommended Rate Fixing Day occurring on or after the AMERIBOR Term Recommended Rate Index Cessation Effective Date (as applicable) will be a commercially reasonable alternative for AMERIBOR Term for a period of the Designated Maturity determined by the Calculation Agent.

Discontinued Rates Maturities The provisions of this Rate Option are subject to Part A, Clause 5 (Discontinued Rates Maturities Protocol), provided that if:

(A) ICE Term SONIA for a period of the Designated Maturity is permanently unavailable following a public statement or publication of information which would constitute an ICE Term SONIA Index Cessation Event in respect of ICE Term SONIA for a period of the Designated Maturity; and

(B) the Swap Transaction is not a Covered Swap Transaction because there is either no Nearest Long Rate or no Nearest Short Rate, then an ICE Term SONIA Index Cessation Event shall be deemed to have occurred and the ICE Term SONIA Index Cessation Effective Date shall be the first date on which ICE Term SONIA would ordinarily have been provided and there is no Nearest Long Rate or Nearest Short Rate (or, if later, the first date on which ICE Term SONIA for a period of the Designated Maturity would ordinarily have been provided and is permanently unavailable following a public statement or publication of information which would constitute an ICE Term SONIA Index Cessation Event in respect of ICE Term SONIA for a period of the Designated Maturity).

Definitions

"ICE Term SONIA" means the term Sterling Overnight Index Average (SONIA) rate provided by ICE Benchmark Administration Limited as administrator of the benchmark (or a successor administrator).

"ICE Term SONIA Fixing Day" means, in respect of ICE Term SONIA and a Reset Date, that day (or any amended publication day for ICE Term SONIA, as specified by the ICE Term SONIA administrator in the ICE Term SONIA benchmark methodology).

"ICE Term SONIA Index Cessation Effective Date" means, in respect of ICE Term SONIA and an ICE Term SONIA Index Cessation Event, the first date on which ICE Term SONIA would ordinarily have been provided and is no longer provided.

"ICE Term SONIA Index Cessation Event" means, in respect of ICE Term SONIA:

- (A) a public statement or publication of information by or on behalf of the administrator of ICE Term SONIA announcing that it has ceased or will cease to provide ICE Term SONIA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide ICE Term SONIA; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of ICE Term SONIA, the central bank for the currency of ICE Term SONIA, an insolvency official with jurisdiction over the administrator of ICE Term SONIA, a resolution authority with jurisdiction over the administrator of ICE Term SONIA or a court or an entity with similar insolvency or resolution authority over the administrator of ICE Term SONIA, which states that the administrator of ICE Term SONIA has ceased or will cease to provide ICE Term SONIA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide ICE Term SONIA.

"ICE Term SONIA Recommended Rate" means the rate (inclusive of any spreads or adjustments) recommended as the replacement for ICE Term SONIA by (A) the administrator of ICE Term SONIA, or (B) if the administrator of ICE Term SONIA does not make a recommendation, a committee officially endorsed or convened by the Bank of England or the supervisor for the administrator of ICE Term SONIA for the purpose of recommending a replacement for ICE Term SONIA (which rate may be produced by the administrator of ICE Term SONIA or another administrator) and as provided by the administrator of that rate (or a successor administrator) or, if that rate is not provided by the administrator thereof (or a successor administrator), published by an authorized distributor.

“ICE Term SONIA Recommended Rate Fixing Day” means, in respect of the ICE Term SONIA Recommended Rate and a Reset Date, the publication day specified by the administrator of the ICE Term SONIA Recommended Rate for the ICE Term SONIA Recommended Rate in its benchmark methodology.

“ICE Term SONIA Recommended Rate Index Cessation Effective Date” means, in respect of the ICE Term SONIA Recommended Rate and an ICE Term SONIA Recommended Rate Index Cessation Event, the first date on which the ICE Term SONIA Recommended Rate would ordinarily have been provided and is no longer provided.

“ICE Term SONIA Recommended Rate Index Cessation Event” means, in respect of the ICE Term SONIA Recommended Rate:

- (A) a public statement or publication of information by or on behalf of the administrator of the ICE Term SONIA Recommended Rate announcing that it has ceased or will cease to provide the ICE Term SONIA Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the ICE Term SONIA Recommended Rate; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of the ICE Term SONIA Recommended Rate, the central bank for the currency of the ICE Term SONIA Recommended Rate, an insolvency official with jurisdiction over the administrator of the ICE Term SONIA Recommended Rate, a resolution authority with jurisdiction over the administrator of the ICE Term SONIA Recommended Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the ICE Term SONIA Recommended Rate, which states that the administrator of the ICE Term SONIA Recommended Rate has ceased or will cease to provide the ICE Term SONIA Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the ICE Term SONIA Recommended Rate.

20. Refinitiv Term SONIA

Floating Rate Option(s)

“GBP-SONIA Refinitiv Term” means that the rate for a Reset Date will be Refinitiv Term SONIA for a period of the Designated Maturity as provided by the administrator of Refinitiv Term SONIA to, and published by, authorized distributors of Refinitiv Term SONIA at 11.50 a.m., London time (which reflects publication as of 11:00 a.m., London time) (or any amended publication time for Refinitiv Term SONIA, as specified by the Refinitiv Term SONIA administrator in the Refinitiv Term SONIA benchmark methodology) on the Refinitiv Term SONIA Fixing Day.

Underlying Benchmark

“Underlying Benchmark” means Refinitiv Term SONIA.

Corrections

If that rate is subsequently corrected and provided by the administrator of Refinitiv Term SONIA to, and published by, authorized distributors of Refinitiv Term SONIA within the longer of one hour of the time when such rate is first published by authorized distributors of Refinitiv Term SONIA and the republication cut-off time for Refinitiv Term SONIA, if any, as specified by the Refinitiv Term SONIA administrator in the Refinitiv Term SONIA benchmark methodology then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2,

	shall apply as though the reference therein to 'subsections (a) or (b) above' were a reference to the above.
Temporary Non-Publication of Refinitiv Term SONIA	Subject to the below, if Refinitiv Term SONIA for a period of the Designated Maturity in respect of the Reset Date is not published by the administrator of Refinitiv Term SONIA or an authorized distributor and is not otherwise provided by the administrator of Refinitiv Term SONIA by either (A) the Refinitiv Term SONIA Fixing Day or (B) such other date on which Refinitiv Term SONIA is required, then the rate for that Reset Date will be the last provided or published Refinitiv Term SONIA for a period of the Designated Maturity.
A Refinitiv Term SONIA Index Cessation Effective Date	If a Refinitiv Term SONIA Index Cessation Event occurs, the rate for a Refinitiv Term SONIA Fixing Day occurring on or after the Refinitiv Term SONIA Index Cessation Effective Date will be the Refinitiv Term SONIA Recommended Rate for a period of the Designated Maturity.
Temporary Non-Publication of Refinitiv Term SONIA Recommended Rate	Subject to the below, if there is a Refinitiv Term SONIA Recommended Rate before the end of the first London Banking Day following the Refinitiv Term SONIA Index Cessation Effective Date but neither the administrator nor authorized distributors provide or publish the Refinitiv Term SONIA Recommended Rate for a period of the Designated Maturity, then, in respect of any day for which the Refinitiv Term SONIA Recommended Rate is required, references to the Refinitiv Term SONIA Recommended Rate for a period of the Designated Maturity will be deemed to be references to the last provided or published Refinitiv Term SONIA Recommended Rate for a period of the Designated Maturity. However, if there is no last provided or published Refinitiv Term SONIA Recommended Rate for a period of the Designated Maturity, then in respect of any day for which the Refinitiv Term SONIA Recommended Rate is required, references to the Refinitiv Term SONIA Recommended Rate for a period of the Designated Maturity will be deemed to be references to the last provided or published Refinitiv Term SONIA for a period of the Designated Maturity.
No Refinitiv Term SONIA Recommended Rate or Refinitiv Term SONIA Recommended Rate Index Cessation Effective Date	<p>If:</p> <p>(A) there is no Refinitiv Term SONIA Recommended Rate before the end of the first London Banking Day following the Refinitiv Term SONIA Index Cessation Effective Date; or</p> <p>(B) there is a Refinitiv Term SONIA Recommended Rate and a Refinitiv Term SONIA Recommended Rate Index Cessation Effective Date subsequently occurs,</p> <p>then the rate for a (I) Refinitiv Term SONIA Fixing Day occurring on or after the Refinitiv Term SONIA Index Cessation Effective Date or (II) Refinitiv Term SONIA Recommended Rate Fixing Day occurring on or after the Refinitiv Term SONIA Recommended Rate Index Cessation Effective Date (as applicable) will be a commercially reasonable alternative for Refinitiv Term SONIA for a period of the Designated Maturity determined by the Calculation Agent.</p>

Discontinued Rates Maturities The provisions of this Rate Option are subject to Part A, Clause 5 (Discontinued Rates Maturities Protocol), provided that if:

(A) Refinitiv Term SONIA for a period of the Designated Maturity is permanently unavailable following a public statement or publication of information which would constitute a Refinitiv Term SONIA Index Cessation Event in respect of Refinitiv Term SONIA for a period of the Designated Maturity; and

(B) the Swap Transaction is not a Covered Swap Transaction because there is either no Nearest Long Rate or no Nearest Short Rate

then a Refinitiv Term SONIA Index Cessation Event shall be deemed to have occurred and the Refinitiv Term SONIA Index Cessation Effective Date shall be the first date on which Refinitiv Term SONIA would ordinarily have been provided and there is no Nearest Long Rate or Nearest Short Rate (or, if later, the first date on which Refinitiv Term SONIA for a period of the Designated Maturity would ordinarily have been provided and is permanently unavailable following a public statement or publication of information which would constitute a Refinitiv Term SONIA Index Cessation Event in respect of Refinitiv Term SONIA for a period of the Designated Maturity).

Definitions

“Refinitiv Term SONIA” means the forward-looking term Sterling Overnight Index Average (SONIA) rate provided by Refinitiv Benchmark Services (UK) Limited as administrator of the benchmark (or a successor administrator).

“Refinitiv Term SONIA Fixing Day” means, in respect of Refinitiv Term SONIA and a Reset Date, that day (or any amended publication day for Refinitiv Term SONIA, as specified by the Refinitiv Term SONIA administrator in the Refinitiv Term SONIA benchmark methodology).

“Refinitiv Term SONIA Index Cessation Effective Date” means, in respect of Refinitiv Term SONIA and a Refinitiv Term SONIA Index Cessation Event, the first date on which Refinitiv Term SONIA would ordinarily have been provided and is no longer provided.

“Refinitiv Term SONIA Index Cessation Event” means, in respect of Refinitiv Term SONIA:

- (A) a public statement or publication of information by or on behalf of the administrator of Refinitiv Term SONIA announcing that it has ceased or will cease to provide Refinitiv Term SONIA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide Refinitiv Term SONIA; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of Refinitiv Term SONIA, the central bank for the currency of Refinitiv Term SONIA, an insolvency official with jurisdiction over the administrator of Refinitiv Term SONIA, a resolution authority with jurisdiction over the administrator of Refinitiv Term SONIA or a court or an entity with similar insolvency or resolution authority over the administrator of Refinitiv Term SONIA, which states that the administrator of Refinitiv Term SONIA has ceased or will cease to provide Refinitiv Term SONIA permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide Refinitiv Term SONIA.

“Refinitiv Term SONIA Recommended Rate” means the rate (inclusive of any spreads or adjustments) recommended as the replacement for Refinitiv Term SONIA by (A) the administrator of Refinitiv Term SONIA, or (B) if the administrator of Refinitiv Term SONIA does not make a recommendation, a committee officially endorsed or convened by the Bank of England or the supervisor for the administrator of Refinitiv Term SONIA for the purpose of recommending a replacement for Refinitiv Term SONIA (which rate may be produced by the administrator of Refinitiv Term SONIA or another administrator) and as provided by the administrator of that rate (or a successor administrator) or, if that rate is not provided by the administrator thereof (or a successor administrator), published by an authorized distributor.

<p>“Refinitiv Term SONIA Recommended Rate Fixing Day” means, in respect of the Refinitiv Term SONIA Recommended Rate and a Reset Date, the publication day specified by the administrator of the Refinitiv Term SONIA Recommended Rate for the Refinitiv Term SONIA Recommended Rate in its benchmark methodology.</p>
<p>“Refinitiv Term SONIA Recommended Rate Index Cessation Effective Date” means, in respect of the Refinitiv Term SONIA Recommended Rate and a Refinitiv Term SONIA Recommended Rate Index Cessation Event, the first date on which the Refinitiv Term SONIA Recommended Rate would ordinarily have been provided and is no longer provided.</p>
<p>“Refinitiv Term SONIA Recommended Rate Index Cessation Event” means, in respect of the Refinitiv Term SONIA Recommended Rate:</p> <p>(A) a public statement or publication of information by or on behalf of the administrator of the Refinitiv Term SONIA Recommended Rate announcing that it has ceased or will cease to provide the Refinitiv Term SONIA Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the Refinitiv Term SONIA Recommended Rate; or</p> <p>(B) a public statement or publication of information by the regulatory supervisor for the administrator of the Refinitiv Term SONIA Recommended Rate, the central bank for the currency of the Refinitiv Term SONIA Recommended Rate, an insolvency official with jurisdiction over the administrator of the Refinitiv Term SONIA Recommended Rate, a resolution authority with jurisdiction over the administrator of the Refinitiv Term SONIA Recommended Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the Refinitiv Term SONIA Recommended Rate, which states that the administrator of the Refinitiv Term SONIA Recommended Rate has ceased or will cease to provide the Refinitiv Term SONIA Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the Refinitiv Term SONIA Recommended Rate.</p>

21. CME Term SOFR

<p>Floating Rate Option(s)</p>	<p>“USD-SOFR CME Term” means that the rate for a Reset Date will be CME Term SOFR for a period of the Designated Maturity as provided by the administrator of CME Term SOFR to, and published by, authorized distributors of CME Term SOFR at 6:00 a.m., New York City time (or any amended publication time for CME Term SOFR, as specified by the CME Term SOFR administrator in the CME Term SOFR benchmark methodology) on the CME Term SOFR Fixing Day.</p>
<p>Underlying Benchmark</p>	<p>“Underlying Benchmark” means CME Term SOFR.</p>
<p>Corrections</p>	<p>If that rate is subsequently corrected and provided by the administrator of CME Term SOFR to, and published by, authorized distributors of CME Term SOFR within the longer of one hour of the time when such rate is first published by authorized distributors of CME Term SOFR and the republication cut-off time for CME Term SOFR, if any, as specified by the CME Term SOFR administrator in the CME Term SOFR benchmark methodology then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.</p>

Temporary Non-Publication of CME Term SOFR	<p>Subject to the below, if CME Term SOFR for a period of the Designated Maturity in respect of the Reset Date is not published by the administrator of CME Term SOFR or an authorized distributor and is not otherwise provided by the administrator of CME Term SOFR by either (A) the Reset Date or (B) such other date on which CME Term SOFR is required, then the rate for that Reset Date will be the last provided or published CME Term SOFR for a period of the Designated Maturity.</p>
A CME Term SOFR Index Cessation Effective Date	<p>If a CME Term SOFR Index Cessation Event occurs, the rate for a CME Term SOFR Fixing Day occurring on or after the CME Term SOFR Index Cessation Effective Date will be the CME Term SOFR Recommended Rate for a period of the Designated Maturity.</p>
Temporary Non-Publication of CME Term SOFR Recommended Rate	<p>Subject to the below, if there is a CME Term SOFR Recommended Rate before the end of the first U.S. Government Securities Business Day following the CME Term SOFR Index Cessation Effective Date but neither the administrator nor authorized distributors provide or publish the CME Term SOFR Recommended Rate for a period of the Designated Maturity, then, in respect of any day for which the CME Term SOFR Recommended Rate is required, references to the CME Term SOFR Recommended Rate for a period of the Designated Maturity will be deemed to be references to the last provided or published CME Term SOFR Recommended Rate for a period of the Designated Maturity. However, if there is no last provided or published CME Term SOFR Recommended Rate for a period of the Designated Maturity, then in respect of any day for which the CME Term SOFR Recommended Rate is required, references to the CME Term SOFR Recommended Rate for a period of the Designated Maturity will be deemed to be references to the last provided or published CME Term SOFR for a period of the Designated Maturity.</p>
No CME Term SOFR Recommended Rate or CME Term SOFR Recommended Rate Index Cessation Effective Date	<p>If:</p> <ul style="list-style-type: none"> (A) there is no CME Term SOFR Recommended Rate before the end of the first U.S. Government Securities Business Day following the CME Term SOFR Index Cessation Effective Date; or (B) there is a CME Term SOFR Recommended Rate and a CME Term SOFR Recommended Rate Index Cessation Effective Date subsequently occurs, then the rate for a (I) CME Term SOFR Fixing Day occurring on or after the CME Term SOFR Index Cessation Effective Date or (II) CME Term SOFR Recommended Rate Fixing Day occurring on or after the CME Term SOFR Recommended Rate Index Cessation Effective Date (as applicable) will be a commercially reasonable alternative for CME Term SOFR for a period of the Designated Maturity determined by the Calculation Agent.
Discontinued Rates Maturities	<p>The provisions of this Rate Option are subject to Part A, Clause 5 (Discontinued Rates Maturities Protocol), provided that if:</p> <ul style="list-style-type: none"> (A) CME Term SOFR for a period of the Designated Maturity is permanently unavailable following a public statement or publication of information which

would constitute a CME Term SOFR Index Cessation Event in respect of CME Term SOFR for a period of the Designated Maturity; and

(B) the Swap Transaction is not a Covered Swap Transaction because there is either no Nearest Long Rate or no Nearest Short Rate, then a CME Term SOFR Index Cessation Event shall be deemed to have occurred and the CME Term SOFR Index Cessation Effective Date shall be the first date on which CME Term SOFR would ordinarily have been provided and there is no Nearest Long Rate or Nearest Short Rate (or, if later, the first date on which CME Term SOFR for a period of the Designated Maturity would ordinarily have been provided and is permanently unavailable following a public statement or publication of information which would constitute a CME Term SOFR Index Cessation Event in respect of CME Term SOFR for a period of the Designated Maturity).and there is no Nearest Long Rate or Nearest Short Rate (or, if later, the first date on which Refinitiv Term SONIA for a period of the Designated Maturity would ordinarily have been provided and is permanently unavailable following a public statement or publication of information which would constitute a Refinitiv Term SONIA Index Cessation Event in respect of Refinitiv Term SONIA for a period of the Designated Maturity).

Definitions

“CME Term SOFR” means the forward-looking term Secured Overnight Financing Rate (SOFR) provided by CME Group Benchmark Administration Limited as administrator of the benchmark (or a successor administrator).

“CME Term SOFR Fixing Day” means, in respect of CME Term SOFR and a Reset Date, the day that is two U.S. Government Securities Business Days preceding that Reset Date (or any amended publication day for CME Term SOFR, as specified by the CME Term SOFR administrator in the CME Term SOFR benchmark methodology).

“CME Term SOFR Index Cessation Effective Date” means, in respect of CME Term SOFR and a CME Term SOFR Index Cessation Event, the first date on which CME Term SOFR would ordinarily have been provided and is no longer provided.

“CME Term SOFR Index Cessation Event” means, in respect of CME Term SOFR:

- (A) a public statement or publication of information by or on behalf of the administrator of CME Term SOFR announcing that it has ceased or will cease to provide CME Term SOFR permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide CME Term SOFR; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of CME Term SOFR, the central bank for the currency of CME Term SOFR, an insolvency official with jurisdiction over the administrator of CME Term SOFR, a resolution authority with jurisdiction over the administrator of CME Term SOFR or a court or an entity with similar insolvency or resolution authority over the administrator of CME Term SOFR, which states that the administrator of CME Term SOFR has ceased or will cease to provide CME Term SOFR permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide CME Term SOFR.

“CME Term SOFR Recommended Rate” means the rate (inclusive of any spreads or adjustments) recommended as the replacement for CME Term SOFR by (A) the administrator of CME Term SOFR, or (B) if the administrator of CME Term SOFR does not make a recommendation, a committee officially endorsed or convened by the Federal Reserve Board or the Federal Reserve Bank of New York or the supervisor for the administrator of CME Term SOFR for the purpose of recommending a replacement for CME Term SOFR (which rate may be produced by the administrator of CME Term SOFR or another administrator) and as provided by the administrator of that rate (or a successor administrator) or, if that rate is not provided by the administrator thereof (or a successor administrator), published by an authorized distributor.

“CME Term SOFR Recommended Rate Fixing Day” means, in respect of the CME Term SOFR Recommended Rate and a Reset Date, the publication day specified by the administrator of the CME Term SOFR Recommended Rate for the CME Term SOFR Recommended Rate in its benchmark methodology.

“CME Term SOFR Recommended Rate Index Cessation Effective Date” means, in respect of the CME Term SOFR Recommended Rate and a CME Term SOFR Recommended Rate Index Cessation Event, the first date on which the CME Term SOFR Recommended Rate would ordinarily have been provided and is no longer provided.

“CME Term SOFR Recommended Rate Index Cessation Event” means, in respect of the CME Term SOFR Recommended Rate:

- (A) a public statement or publication of information by or on behalf of the administrator of the CME Term SOFR Recommended Rate announcing that it has ceased or will cease to provide the CME Term SOFR Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the CME Term SOFR Recommended Rate; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of the CME Term SOFR Recommended Rate, the central bank for the currency of the CME Term SOFR Recommended Rate, an insolvency official with jurisdiction over the administrator of the CME Term SOFR Recommended Rate, a resolution authority with jurisdiction over the administrator of the CME Term SOFR Recommended Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the CME Term SOFR Recommended Rate, which states that the administrator of the CME Term SOFR Recommended Rate has ceased or will cease to provide the CME Term SOFR Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the CME Term SOFR Recommended Rate.

22. TORF

Floating Rate Option(s)

“JPY-TORF QUICK” means that the rate for a Reset Date will be TORF for a period of the Designated Maturity as provided by the administrator of TORF to, and published by, authorized distributors of TORF at around 5:00 p.m., Tokyo time (or any amended publication time for TORF, as specified by the TORF administrator in the TORF benchmark methodology) on the TORF Fixing Day.

Underlying Benchmark

“Underlying Benchmark” means TORF.

Corrections

If that rate is subsequently corrected and provided by the administrator of TORF to, and published by, authorized distributors of TORF within the longer of one hour of the time when such rate is first published by authorized distributors of TORF and the republication cut-off time for TORF, if any, as specified by the TORF administrator in the TORF benchmark methodology then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.

Temporary Non-Publication of TORF

Subject to the below, if TORF for a period of the Designated Maturity in respect of the Reset Date is not published by the administrator of TORF or an

	<p>authorized distributor and is not otherwise provided by the administrator of TORF by either (A) the Reset Date or (B) such other date on which TORF is required, then the rate for that Reset Date will be the last provided or published TORF for a period of the Designated Maturity.</p>
A TORF Index Cessation Effective Date	<p>If a TORF Index Cessation Event occurs, the rate for a TORF Fixing Day occurring on or after the TORF Index Cessation Effective Date will be the TORF Recommended Rate for a period of the Designated Maturity.</p>
Temporary Non-Publication of TORF Recommended Rate	<p>Subject to the below, if there is a TORF Recommended Rate before the end of the first Tokyo Banking Day following the TORF Index Cessation Effective Date but neither the administrator nor authorized distributors provide or publish the TORF Recommended Rate for a period of the Designated Maturity, then, in respect of any day for which the TORF Recommended Rate is required, references to the TORF Recommended Rate for a period of the Designated Maturity will be deemed to be references to the last provided or published TORF Recommended Rate for a period of the Designated Maturity. However, if there is no last provided or published TORF Recommended Rate for a period of the Designated Maturity, then in respect of any day for which the TORF Recommended Rate is required, references to the TORF Recommended Rate for a period of the Designated Maturity will be deemed to be references to the last provided or published TORF for a period of the Designated Maturity.</p>
No TORF Recommended Rate or TORF Recommended Rate Index Cessation Effective Date	<p>If:</p> <ul style="list-style-type: none"> (A) there is no TORF Recommended Rate before the end of the first Tokyo Banking Day following the TORF Index Cessation Effective Date; or (B) there is a TORF Recommended Rate and a TORF Recommended Rate Index Cessation Effective Date subsequently occurs, <p>then the rate for a (I) TORF Fixing Day occurring on or after the TORF Index Cessation Effective Date or (II) TORF Recommended Rate Fixing Day occurring on or after the TORF Recommended Rate Index Cessation Effective Date (as applicable) will be a commercially reasonable alternative for TORF for a period of the Designated Maturity determined by the Calculation Agent.</p>
Discontinued Rates Maturities	<p>The provisions of this Rate Option are subject to Part A, Clause 5 (Discontinued Rates Maturities Protocol), provided that if:</p> <ul style="list-style-type: none"> (A) TORF for a period of the Designated Maturity is permanently unavailable following a public statement or publication of information which would constitute a TORF Index Cessation Event in respect of TORF for a period of the Designated Maturity; and (B) the Swap Transaction is not a Covered Swap Transaction because there is either no Nearest Long Rate or no Nearest Short Rate, <p>then a TORF Index Cessation Event shall be deemed to have occurred and the TORF Index Cessation Effective Date shall be the first date on which TORF would ordinarily have been provided and there is no Nearest Long Rate or Nearest Short Rate (or, if later, the first date on which TORF for a period of the</p>

Designated Maturity would ordinarily have been provided and is permanently unavailable following a public statement or publication of information which would constitute a TORF Index Cessation Event in respect of TORF for a period of the Designated Maturity).

Definitions

“TORF” means the Tokyo Term Risk Free Rate (TORF) provided by QUICK Benchmarks Inc. (QBS) as administrator of the benchmark (or a successor administrator).

“TORF Fixing Day” means, in respect of TORF and a Reset Date, the day that is two Tokyo Banking Days preceding that Reset Date (or any amended publication day for TORF, as specified by the TORF administrator in the TORF benchmark methodology).

“TORF Index Cessation Effective Date” means, in respect of TORF and a TORF Index Cessation Event, the first date on which TORF would ordinarily have been provided and is no longer provided.

“TORF Index Cessation Event” means, in respect of TORF:

- (A) a public statement or publication of information by or on behalf of the administrator of TORF announcing that it has ceased or will cease to provide TORF permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide TORF; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of TORF, the central bank for the currency of TORF, an insolvency official with jurisdiction over the administrator of TORF, a resolution authority with jurisdiction over the administrator of TORF or a court or an entity with similar insolvency or resolution authority over the administrator of TORF, which states that the administrator of TORF has ceased or will cease to provide TORF permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide TORF.

“TORF Recommended Rate” means the rate (inclusive of any spreads or adjustments) recommended as the replacement for TORF by (A) the administrator of TORF, or (B) if the administrator of TORF does not make a recommendation, a committee officially endorsed or convened by the Bank of Japan or the supervisor for the administrator of TORF for the purpose of recommending a replacement for TORF (which rate may be produced by the administrator of TORF or another administrator) and as provided by the administrator of that rate (or a successor administrator) or, if that rate is not provided by the administrator thereof (or a successor administrator), published by an authorized distributor.

“TORF Recommended Rate Fixing Day” means, in respect of the TORF Recommended Rate and a Reset Date, the publication day specified by the administrator of the TORF Recommended Rate for the TORF Recommended Rate in its benchmark methodology.

“TORF Recommended Rate Index Cessation Effective Date” means, in respect of the TORF Recommended Rate and a TORF Recommended Rate Index Cessation Event, the first date on which the TORF Recommended Rate would ordinarily have been provided and is no longer provided.

“TORF Recommended Rate Index Cessation Event” means, in respect of the TORF Recommended Rate:

- (A) a public statement or publication of information by or on behalf of the administrator of the TORF Recommended Rate announcing that it has ceased or will cease to provide the TORF Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the TORF Recommended Rate; or
- (B) a public statement or publication of information by the regulatory supervisor for the administrator of the TORF Recommended Rate, the central bank for the currency of the TORF Recommended Rate, an insolvency official with jurisdiction over the administrator of the TORF Recommended Rate, a resolution authority with jurisdiction over the administrator of the TORF Recommended Rate or a court or an entity with similar insolvency or resolution authority over the administrator of the TORF Recommended Rate, which states that the administrator of the TORF Recommended Rate has ceased or will cease to provide the TORF Recommended Rate permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide the TORF Recommended Rate.

23. GBP SONIA ICE Swap Rate

Floating Rate Option(s)	“GBP-SONIA ICE Swap Rate” or “GBP-SONIA Swap Rate” means that the rate for a Reset Date will be the GBP SONIA ICE Swap Rate with a maturity of the Designated Maturity, expressed as a percentage, provided by the administrator of the GBP SONIA ICE Swap Rate as of 11:00 a.m., London time (or any amended publication time specified by the administrator of the GBP SONIA ICE Swap Rate in the benchmark methodology) on that Reset Date.
Underlying Benchmark	“Underlying Benchmark” means GBP SONIA ICE Swap Rate.
Fallback	If, by 11:15 a.m., London time (or fifteen minutes after any amended publication time specified by the administrator of the GBP SONIA ICE Swap Rate in the benchmark methodology), on the Reset Date, the administrator of the GBP SONIA ICE Swap Rate has not provided or published the GBP SONIA ICE Swap Rate in respect of the Reset Date, the rate for that Reset Date will be determined by the Calculation Agent.
Definitions	
“GBP SONIA ICE Swap Rate” means the swap rate for a fixed-for-floating Sterling swap transaction where the floating leg references the Sterling Overnight Index Average rate administered by the Bank of England (or any successor administrator) (SONIA), as provided by ICE Benchmark Administration Limited as the administrator of the benchmark (or a successor administrator).	

24. USD SOFR ICE Swap Rate

Floating Rate Option(s)	“GBP-SONIA ICE Swap Rate” or “GBP-SONIA Swap Rate” means that the rate for a Reset Date will be the GBP SONIA ICE Swap Rate with a maturity of the Designated Maturity, expressed as a percentage, provided by the administrator of the GBP SONIA ICE Swap Rate as of 11:00 a.m., London time (or any amended publication time specified by the administrator of the GBP SONIA ICE Swap Rate in the benchmark methodology) on that Reset Date.
Underlying Benchmark	“Underlying Benchmark” means GBP SONIA ICE Swap Rate.
Fixing Day	“USD SOFR ICE Swap Rate Fixing Day” means, in respect of the USD SOFR ICE Swap Rate and a Reset Date, the day that is two U.S. Government Securities Business Days preceding that Reset Date.
Corrections	If that rate is subsequently corrected and provided by the administrator of the USD SOFR ICE Swap Rate to, and published by, authorized distributors of the

USD SOFR ICE Swap Rate within the longer of one hour of the time when such rate is first published by authorized distributors of the USD SOFR ICE Swap Rate and the republication cut-off time for the USD SOFR ICE Swap Rate, if any, as specified by the USD SOFR ICE Swap Rate benchmark administrator in the USD SOFR ICE Swap Rate benchmark methodology, then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.

Temporary Non-Publication of USD SOFR ICE Swap Rate

If the USD SOFR ICE Swap Rate for a period of the Designated Maturity in respect of the Reset Date is not published by the administrator of the USD SOFR ICE Swap Rate or an authorized distributor and is not otherwise provided by the administrator of the USD SOFR ICE Swap Rate by either (A) the Reset Date or (B) such other date on which the USD SOFR ICE Swap Rate is required, then the rate for that Reset Date will be determined by the Calculation Agent.

USD SOFR ICE Swap Rate Index Cessation Effective Date

If, as of the USD SOFR ICE Swap Rate Fixing Day, an Index Cessation Effective Date with respect to the applicable tenor of the USD SOFR ICE Swap Rate has occurred, then the Generic Fallback Provisions shall apply.

Definitions

“**USD SOFR ICE Swap Rate**” means the swap rate for a fixed-for-floating U.S. Dollar swap transaction where the floating leg references the Secured Overnight Financing Rate administered by the Federal Reserve Bank of New York (or any successor administrator) (SOFR), as provided by ICE Benchmark Administration Limited as the administrator of the benchmark (or a successor administrator).

25. USD LIBOR ICE Swap Rates

25.1 USD LIBOR ICE Swap Rate 11:00

Floating Rate Option(s)

“**USD-ISDA-Swap Rate**” or “**USD LIBOR ICE Swap Rate 11:00**” means the rate for a Reset Date will be the USD LIBOR ICE Swap Rate-11:00 with a maturity of the Designated Maturity, expressed as a percentage, as provided by the administrator of the USD LIBOR ICE Swap Rate-11:00 to, and published by, authorized distributors of the USD LIBOR ICE Swap Rate-11:00 as of 11:00 a.m., New York City time, on the USD LIBOR ICE Swap Rate Fixing Day.

Corrections

If that rate is subsequently corrected and provided by the administrator of the USD LIBOR ICE Swap Rate-11:00 to, and published by, authorized distributors of the USD LIBOR ICE Swap Rate-11:00 within the longer of one hour of the time when such rate is first published by authorized distributors of the USD LIBOR ICE Swap Rate-11:00 and the republication cut-off time for the USD LIBOR ICE Swap Rate-11:00, if any, as specified by the USD LIBOR ICE Swap Rate-11:00

benchmark administrator in the USD LIBOR ICE Swap Rate-11:00 benchmark methodology, then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.

Temporary Non-Publication of USD LIBOR ICE Swap Rate-11:00

Subject to the below, if the USD LIBOR ICE Swap Rate-11:00 for a period of the Designated Maturity in respect of the USD LIBOR ICE Swap Rate Fixing Day is not published by the administrator of the USD LIBOR ICE Swap Rate-11:00 or an authorized distributor and is not otherwise provided by the administrator of the USD LIBOR ICE Swap Rate-11:00 (including in circumstances where the words “No Publication” (or similar) are published in respect of the USD LIBOR ICE Swap Rate Fixing Day in accordance with the administrator of the USD LIBOR ICE Swap Rate-11:00’s insufficient data policy) by either (A) the Reset Date or (B) such other date on which the USD LIBOR ICE Swap Rate-11:00 is required, then the rate for that Reset Date will be determined as if the parties had specified “USD-CMS-Reference Banks” as the applicable Floating Rate Option, provided that if “USD-CMS-Reference Banks” fails to produce a rate for such Reset Date, then the rate for that Reset Date will be determined by the Calculation Agent.

A USD LIBOR Index Cessation Effective Date

If a USD LIBOR Index Cessation Event with respect to the Applicable USD Tenor has occurred, then if the day that is two New York City and London Banking Days following the USD LIBOR ICE Swap Rate Fixing Day falls on or after the day that is two London Banking Days following the USD LIBOR Index Cessation Effective Date with respect to the Applicable USD Tenor, the rate for that USD LIBOR ICE Swap Rate Fixing Day will be determined as if references to the USD LIBOR ICE Swap Rate-11:00 were references to:

No USD SOFR ICE Swap Rate

If the USD SOFR ICE Swap Rate in respect of the Reset Date is not published by the administrator of the USD SOFR ICE Swap Rate or an authorized distributor and is not otherwise provided by the administrator of the USD SOFR ICE Swap Rate by either (A) the Reset Date or (B) such other date on which the USD SOFR ICE Swap Rate is required, then, in respect of any day for which that rate is required, references to that rate will be deemed to be references to the rate determined by the Calculation Agent.

25.2 USD LIBOR ICE Swap Rate 15:00

Floating Rate Option(s)

“USD-ISDA-Swap Rate-3:00” or “USD LIBOR ICE Swap Rate 15:00” means the rate for a Reset Date will be the USD LIBOR ICE Swap Rate-15:00 with a maturity of the Designated Maturity, expressed as a percentage, as provided by the administrator of the USD LIBOR ICE Swap Rate-15:00 to, and published by,

	<p>authorized distributors of the USD LIBOR ICE Swap Rate-15:00 as of 3:00 p.m., New York City time, on the USD LIBOR ICE Swap Rate Fixing Day.</p>
Corrections	<p>If that rate is subsequently corrected and provided by the administrator of the USD LIBOR ICE Swap Rate-15:00 to, and published by, authorized distributors of the USD LIBOR ICE Swap Rate-15:00 within the longer of one hour of the time when such rate is first published by authorized distributors of the USD LIBOR ICE Swap Rate-15:00 and the republication cut-off time for the USD LIBOR ICE Swap Rate-15:00, if any, as specified by the USD LIBOR ICE Swap Rate-15:00 benchmark administrator in the USD LIBOR ICE Swap Rate-15:00 benchmark methodology, then that rate will be subject to those corrections. The general provisions on “Corrections to Published and Displayed Rates” according to Part A, Clause 2, shall apply as though the reference therein to ‘subsections (a) or (b) above’ were a reference to the above.</p>
Temporary Non-Publication of USD LIBOR ICE Swap Rate-15:00	<p>Subject to the below, if the USD LIBOR ICE Swap Rate-15:00 for a period of the Designated Maturity in respect of the USD LIBOR ICE Swap Rate Fixing Day is not published by the administrator of the USD LIBOR ICE Swap Rate-15:00 or an authorized distributor and is not otherwise provided by the administrator of the USD LIBOR ICE Swap Rate-15:00 (including in circumstances where the words “No Publication” (or similar) are published in respect of the USD LIBOR ICE Swap Rate Fixing Day in accordance with the administrator of the USD LIBOR ICE Swap Rate-15:00’s insufficient data policy) by either (A) the Reset Date or (B) such other date on which the USD LIBOR ICE Swap Rate-15:00 is required, then the rate for that Reset Date will be determined as if the parties had specified “USD-CMS-Reference Banks” as the applicable Floating Rate Option, provided that if “USD-CMS-Reference Banks” fails to produce a rate for such Reset Date, then the rate for that Reset Date will be determined by the Calculation Agent.</p>
A USD LIBOR Index Cessation Effective Date	<p>If a USD LIBOR Index Cessation Event with respect to the Applicable USD Tenor has occurred, then if the day that is two New York City and London Banking Days following the USD LIBOR ICE Swap Rate Fixing Day falls on or after the day that is two London Banking Days following the USD LIBOR Index Cessation Effective Date with respect to the Applicable USD Tenor, the rate for that USD LIBOR ICE Swap Rate Fixing Day will be determined as if references to the USD LIBOR ICE Swap Rate-15:00 were references to:</p> <ul style="list-style-type: none"> (A) the Published USD ISR Fallback Rate with a maturity of the Designated Maturity, expressed as a percentage, provided as of 3:00 p.m., New York City time, on that USD LIBOR ICE Swap Rate Fixing Day; or (B) if there is no Published USD ISR Fallback Rate in accordance with subparagraph (A) above, the Published USD ISR Fallback Rate with a maturity of the Designated Maturity, expressed as a percentage, provided as of 11:00 a.m., New York City time, on that USD LIBOR ICE Swap Rate Fixing Day; or (C) if there is no Published USD ISR Fallback Rate in accordance with subparagraph (B) above, the Calculated USD ISR Fallback Rate with a maturity of

the Designated Maturity, expressed as a percentage, calculated as of 3:00 p.m., New York City time, on that USD LIBOR ICE Swap Rate Fixing Day.

No USD SOFR ICE Swap Rate

If the USD SOFR ICE Swap Rate in respect of the Reset Date is not published by the administrator of the USD SOFR ICE Swap Rate or an authorized distributor and is not otherwise provided by the administrator of the USD SOFR ICE Swap Rate by either (A) the Reset Date or (B) such other date on which the USD SOFR ICE Swap Rate is required, then, in respect of any day for which that rate is required, references to that rate will be deemed to be references to the rate determined by the Calculation Agent.

Definitions (apply to all USD ISDA Swap Rates)

“Applicable USD Tenor” means, in respect of USD LIBOR, three months or any tenor of USD LIBOR which is referenced in fixed-for-floating U.S. Dollar swap transactions on which the USD LIBOR ICE Swap Rate-11:00 or the USD LIBOR ICE Swap Rate-15:00 (as applicable) with a maturity of the Designated Maturity is based.

“Calculated USD ISR Fallback Rate” means the rate calculated as follows, and the resulting percentage will be rounded, if necessary, in accordance with Part A, Clause 4 of these Supplemental Definitions:

$$y^L = \frac{365.25}{360} \left[2 \times (\sqrt{1 + y^{OIS}} - 1) + \left(s^{3M} \times \frac{1}{2} \times (\sqrt[4]{1 + y^{OIS}} + 1) \right) \right]$$

where:

“ y^L ” is the Calculated USD ISR Fallback Rate with a maturity of the Designated Maturity;

“ y^{OIS} ” is the USD SOFR ICE Swap Rate in respect of the Reset Date with a maturity of the Designated Maturity; and

“ s^{3M} ” is 0.26161%.

“Non-Representative” means the regulatory supervisor for the administrator of USD LIBOR:

- (A) has determined and announced that USD LIBOR for the Applicable USD Tenor is no longer representative of the underlying market and economic reality it is intended to measure and representativeness will not be restored; and
 - (B) is aware that certain contractual triggers for fallbacks activated by pre-cessation announcements by such supervisor (howsoever described) in contracts have been or are engaged,
- provided that USD LIBOR for the Applicable USD Tenor will be ‘Non-Representative’ by reference to the date indicated in the most recent statement or publication contemplated in subparagraph (A) or (B)(III) (as applicable) of the definition of USD LIBOR Index Cessation Event.

“Published USD ISR Fallback Rate” means the rate calculated in accordance with the formula set forth in the definition of Calculated USD ISR Fallback Rate, as provided by the administrator thereof (or any successor administrator).

“Underlying Benchmark” means the USD LIBOR ICE Swap Rate-11:00 and the USD LIBOR ICE Swap Rate-15:00, as applicable.

“USD LIBOR” means the U.S. Dollar wholesale funding rate known as U.S. Dollar LIBOR (London Interbank Offered Rate) provided by ICE Benchmark Administration Limited, as the administrator of the benchmark, (or a successor administrator).

“USD LIBOR ICE Swap Rate-11:00” means the 11:00 a.m., New York City time, benchmark for the mid-price for the fixed leg of a fixed-for-floating U.S. Dollar swap transaction where the floating leg references USD LIBOR, as provided by ICE Benchmark Administration Limited as the administrator of the benchmark (or a successor administrator).

“USD LIBOR ICE Swap Rate-15:00” means the 3:00 p.m., New York City time, benchmark for the mid-price for the fixed leg of a fixed-for-floating U.S. Dollar swap transaction where the floating leg references USD LIBOR, as provided by ICE Benchmark Administration Limited as the administrator of the benchmark (or a successor administrator).

“USD LIBOR ICE Swap Rate Fixing Day” means, in respect of the USD LIBOR ICE Swap Rate-11:00 and the USD LIBOR ICE Swap Rate-15:00 and a Reset Date, the day that is two U.S. Government Securities Business Days preceding that Reset Date.

“USD LIBOR Index Cessation Effective Date” means, in respect of a USD LIBOR Index Cessation Event for the Applicable USD Tenor, the first date on which USD LIBOR for that Applicable USD Tenor would ordinarily have been provided and is either (A) Non-Representative by reference to the most recent statement or publication contemplated in subparagraph (A) or (B)(III) (as applicable) of the definition of USD LIBOR Index Cessation Event and even if USD LIBOR continues to be provided on such date or (B) no longer provided.

“USD LIBOR Index Cessation Event” means, in respect of USD LIBOR for the Applicable USD Tenor:

- (A) the statement by the Financial Conduct Authority on 5 March 2021 that USD LIBOR for the Applicable USD Tenor would be Non-Representative after 30 June 2023; or
- (B) the occurrence of any of the following events:
 - I. a public statement or publication of information by or on behalf of the administrator of USD LIBOR announcing that it has ceased or will cease to provide USD LIBOR for the Applicable USD Tenor permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide USD LIBOR for the Applicable USD Tenor;
 - II. a public statement or publication of information by the regulatory supervisor for the administrator of USD LIBOR, the central bank for the currency of USD LIBOR, an insolvency official with jurisdiction over the administrator for USD LIBOR, a resolution authority with jurisdiction over the administrator for USD LIBOR or a court or an entity with similar insolvency or resolution authority over the administrator for USD LIBOR, which states that the administrator of USD LIBOR has ceased or will cease to provide USD LIBOR for the Applicable USD Tenor permanently or indefinitely, provided that, at the time of the statement or publication, there is no successor administrator that will continue to provide USD LIBOR for the Applicable USD Tenor; or
 - III. a public statement or publication of information by the regulatory supervisor for the administrator of USD LIBOR announcing that (A) the regulatory supervisor has determined that USD LIBOR for the Applicable USD Tenor is no longer, or as of a specified future date will no longer be, representative of the underlying market and economic reality that USD LIBOR for that Applicable USD Tenor is intended to measure and that representativeness will not be restored and (B) it is being made in the awareness that the statement or publication will engage certain contractual triggers for fallbacks activated by pre-cessation announcements by such supervisor (howsoever described) in contracts.

“USD SOFR ICE Swap Rate” means the benchmark for the mid-price for the fixed leg of a fixed-for-floating U.S. Dollar swap transaction where the floating leg references the Secured Overnight Financing Rate administered by the Federal Reserve Bank of New York (or any successor administrator) (SOFR) and both the fixed leg and floating leg are paid annually, as provided by ICE Benchmark Administration Limited as the administrator of the benchmark (or a successor administrator).