## 424B2 1 form424b2.htm IEIB 14M STEPUP 78014F247

Filed Pursuant to Rule 424(b)(2) Registration Statement No. 333-227001 (To Prospectus dated September 7, 2018, Prospectus Supplement dated September 7, 2018 and Product Supplement EQUITY INDICES SUN-1 dated July 1, 2019)

3,003,867 Units \$10 principal amount per unit CUSIP No. 78014F247 Pricing Date Settlement Date Maturity Date January 30, 2020 February 6, 2020 March 25, 2021



## Market-Linked Step Up Notes Linked to an International Equity Index Basket

- Maturity of approximately 14 months
- If the Basket is flat or increases up to the Step Up Value, a return of 11.03%
- If the Basket increases above the Step Up Value, a return equal to the percentage increase in the Basket
- The Basket is comprised of the EURO STOXX 50<sup>®</sup> Index, the FTSE<sup>®</sup> 100 Index, the Nikkei Stock Average Index, the Swiss Market Index, the S&P/ASX 200 Index, and the Hang Seng Index. The EURO STOXX 50<sup>®</sup> Index was given an initial weight of 40.00%, each of the FTSE<sup>®</sup> 100 Index and the Nikkei Stock Average Index was given an initial weight of 20.00%, each of the Swiss Market Index and the S&P/ASX 200 Index was given an initial weight of 7.50%, and the Hang Seng Index was given an initial weight of 5.00%
- 1-to-1 downside exposure to decreases in the Basket, with up to 100% of your principal at risk
- All payments occur at maturity and are subject to the credit risk of Royal Bank of Canada
- No periodic interest payments
- In addition to the underwriting discount set forth below, the notes include a hedging-related charge of \$0.075 per unit. See "Structuring the Notes"
- Limited secondary market liquidity, with no exchange listing
- The notes are unsecured debt securities and are not savings accounts or insured deposits of a bank. The notes are not insured or guaranteed by the Canada Deposit Insurance Corporation, the U.S. Federal Deposit Insurance Corporation, or any other governmental agency of Canada or the United States

The notes are being issued by Royal Bank of Canada ("RBC"). There are important differences between the notes and a conventional debt security, including different investment risks and certain additional costs. See "Risk Factors" beginning on page TS-7 of this term sheet and page PS-7 of product supplement EQUITY INDICES SUN-1.

The initial estimated value of the notes as of the pricing date is \$9.7187 per unit, which is less than the public offering price listed below. See "Summary" on the following page, "Risk Factors" beginning on page TS-6 of this term sheet and "Structuring the Notes" on page TS-28 of this term sheet for additional information. The actual value of your notes at any time will reflect many factors and cannot be predicted with accuracy.

None of the Securities and Exchange Commission (the "SEC"), any state securities commission, or any other regulatory body has approved or disapproved of these securities or determined if this Note Prospectus (as defined below) is truthful or complete. Any representation to the contrary is a criminal offense.

	<u>Per Unit</u>	<u>Total</u>
Public offering price <sup>(1)</sup>	\$ 10.00	\$30,007,985.00
Underwriting discount <sup>(1)</sup>	\$ 0.20	\$570,088.40
Proceeds, before expenses, to RBC	\$ 9.80	\$29,437,896.60

(1) The public offering price and the underwriting discount for an aggregate of 613,700 units purchased by an individual investor or in combined transactions with the investor's household of 500,000 units or more is \$9.95 per unit and \$0.15 per unit, respectively. See "Supplement to the Plan of Distribution" below. https://www.sec.gov/Archives/edgar/data/1000275/000114036120002131/form424b2.htm

The notes:

Are Not FDIC Insured	Are Not Bank Guaranteed	May Lose Value
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## **BofA Securities**

January 30, 2020

Linked to an International Equity Index Basket, due March 25, 2021

## Summary

The Market-Linked Step Up Notes Linked to an International Equity Index Basket, due March 25, 2021 (the "notes") are our senior unsecured debt securities. The notes are not guaranteed or insured by the Canada Deposit Insurance Corporation or the FDIC or secured by collateral. **The notes will rank equally with all of our other unsecured and unsubordinated debt.** Any payments due on the notes, including any repayment of principal, will be subject to the credit risk of RBC. The notes are not bail-inable notes (as defined in the prospectus supplement). The notes provide you with a Step Up Payment if the Ending Value of the Market Measure, which is the international equity index basket described below (the "Basket"), is equal to or greater than its Starting Value, but is not greater than the Step Up Value. If the Ending Value is greater than the Step Up Value, you will participate on a 1-for-1 basis in the increase in the level of the Basket above the Starting Value. If the Ending Value is less than the Starting Value, you will lose all or a portion of the principal amount of your notes. Any payments on the notes, will be calculated based on the \$10 principal amount per unit and will depend on the performance of the Basket, subject to our credit risk. See "Terms of the Notes" below.

The Basket is comprised of the EURO STOXX 50<sup>®</sup> Index, the FTSE<sup>®</sup> 100 Index, the Nikkei Stock Average Index, the Swiss Market Index, the S&P/ASX 200 Index, and the Hang Seng Index (each a "Basket Component"). On the pricing date, the EURO STOXX 50<sup>®</sup> Index was given an initial weight of 40.00%, each of the FTSE<sup>®</sup> 100 Index and the Nikkei Stock Average Index was given an initial weight of 20.00%, each of the Swiss Market Index and the S&P/ASX 200 Index was given an initial weight of 7.50%, and the Hang Seng Index was given an initial weight of 5.00%.

The economic terms of the notes (including the Step Up Payment) are based on our internal funding rate, which is the rate we would pay to borrow funds through the issuance of market-linked notes and the economic terms of certain related hedging arrangements. Our internal funding rate is typically lower than the rate we would pay when we issue conventional fixed or floating rate debt securities. This difference in funding rate, as well as the underwriting discount and the hedging related charge described below, reduced the economic terms of the notes to you and the initial estimated value of the notes on the pricing date. Due to these factors, the public offering price you pay to purchase the notes is greater than the initial estimated value of the notes.

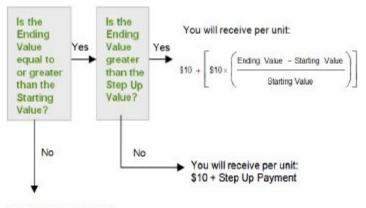
On the cover page of this term sheet, we have provided the initial estimated value for the notes. This initial estimated value was determined based on our and our affiliates' pricing models, which take into consideration our internal funding rate and the market prices for the hedging arrangements related to the notes. For more information about the initial estimated value and the structuring of the notes, see "Structuring the Notes" on page TS-28.

## Terms of the Notes

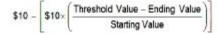
Issuer:	Royal Bank of Canada ("RBC")
Principal Amount:	\$10.00 per unit
Term:	Approximately 14 months
Market Measure:	An international equity index basket comprised of the EURO STOXX 50 <sup>®</sup> Index (Bloomberg symbol: "SX5E"), the FTSE <sup>®</sup> 100 Index (Bloomberg symbol: "UKX"), the Nikkei Stock Average Index (Bloomberg symbol: "UKX"), the Swiss Market Index (Bloomberg symbol: "AS51") and the Hang Seng Index (Bloomberg symbol: "HSI"). Each Basket Component is a price return index.
Starting Value:	100.00
Ending Value:	The value of the Market Measure on the calculation day. The scheduled calculation day is subject to postponement in the event of Market Disruption Events, as described beginning on page PS-20 of product supplement EQUITY INDICES SUN-1.
Step Up Value:	111.03 (111.03% of the Starting Value).
Step Up Payment:	\$1.103 per unit, which represents a return of 11.03% over the principal amount.
Threshold Value:	100.00 (100% of the Starting Value).
Calculation Day:	March 18, 2021
Fees and Charges:	The underwriting discount of \$0.20 per unit listed on the cover page and the hedging related charge of \$0.075 per unit described in "Structuring the Notes" on page TS-28.
Calculation Agent:	BofA Securities, Inc. ("BofAS").

# Redemption Amount Determination

On the maturity date, you will receive a cash payment per unit determined as follows:



You will receive per unit:



Because the Threshold Value for the notes is equal to the Starting Value, you will lose all or a portion of your investment if the Ending Value is less than the Starting Value.

Market-Linked Step Up Notes

https://www.sec.gov/Archives/edgar/data/1000275/000114036120002131/form424b2.htm

### Market-Linked Step Up Notes

Linked to an International Equity Index Basket, due March 25, 2021

The terms and risks of the notes are contained in this term sheet and in the following:

- Product supplement EQUITY INDICES SUN-1 dated July 1, 2019: <u>https://www.sec.gov/Archives/edgar/data/1000275/000114036119012126/form424b5.htm</u>
- Series H MTN prospectus supplement dated September 7, 2018: <u>https://www.sec.gov/Archives/edgar/data/1000275/000121465918005975/f97180424b3.htm</u>
- Prospectus dated September 7, 2018: <u>https://www.sec.gov/Archives/edgar/data/1000275/000121465918005973/l96181424b3.htm</u>

As a result of the completion of the reorganization of Bank of America's U.S. broker-dealer business, references to Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") in the accompanying prospectus supplement, as such references relate to MLPF&S's institutional services, should be read as references to BofAS.

These documents (together, the "Note Prospectus") have been filed as part of a registration statement with the SEC, which may, without cost, be accessed on the SEC website as indicated above or obtained from MLPF&S or BofAS by calling 1-800-294-1322.

Before you invest, you should read the Note Prospectus, including this term sheet, for information about us and this offering. Any prior or contemporaneous oral statements and any other written materials you may have received are superseded by the Note Prospectus. Capitalized terms used but not defined in this term sheet have the meanings set forth in product supplement EQUITY INDICES SUN-1. Unless otherwise indicated or unless the context requires otherwise, all references in this document to "we," "us," "our," or similar references are to RBC.

## **Investor Considerations**

#### You may wish to consider an investment in the notes if:

- You anticipate that the value of the Basket will increase from the Starting Value to the Ending Value.
- You are willing to risk a loss of principal and return if the Basket decreases from the Starting Value to the Ending Value.
- You are willing to forgo the interest payments that are paid on conventional interest bearing debt securities.
- You are willing to forgo dividends or other benefits of owning the stocks included in the Basket Components.
- You are willing to accept a limited or no market for sales prior to maturity, and understand that the market prices for the notes, if any, will be affected by various factors, including our actual and perceived creditworthiness, our internal funding rate and fees and charges on the notes.
- You are willing to assume our credit risk, as issuer of the notes, for all payments under the notes, including the Redemption Amount.

#### The notes may not be an appropriate investment for you if:

- You believe that the value of the Basket will decrease from the Starting Value to the Ending Value.
- You seek principal repayment or preservation of capital.
- You seek interest payments or other current income on your investment.
- You want to receive dividends or other distributions paid on the stocks included in the Basket Components.
- You seek an investment for which there will be a liquid secondary market.
- You are unwilling or are unable to take market risk on the notes or to take our credit risk as issuer of the notes.

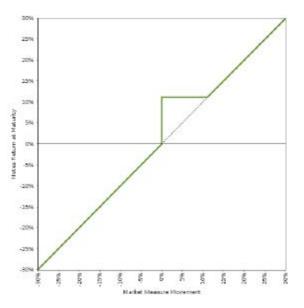
We urge you to consult your investment, legal, tax, accounting, and other advisors before you invest in the notes.

Market-Linked Step Up Notes

Market-Linked Step Up Notes Linked to an International Equity Index Basket, due March 25, 2021

## Hypothetical Payout Profile and Examples of Payments at **Maturity**

#### Market-Linked Step Up Notes



This graph reflects the returns on the notes, based on the Threshold Value of 100% of the Starting Value, the Step Up Payment of \$1.103 per unit and the Step Up Value of 111.03% of the Starting Value. The green line reflects the returns on the notes, while the dotted gray line reflects the returns of a direct investment in the stocks included in the Basket Components, excluding dividends.

This graph has been prepared for purposes of illustration only.

The following table and examples are for purposes of illustration only. They are based on hypothetical values and show hypothetical returns on the notes. They illustrate the calculation of the Redemption Amount and total rate of return based on the Starting Value of 100, the Threshold Value of 100, the Step Up Value of 111.03, the Step Up Payment of \$1.103 per unit and a range of hypothetical Ending Values. The actual amount you receive and the resulting total rate of return will depend on the actual Ending Value and whether you hold the notes to maturity. The following examples do not take into account any tax consequences from investing in the notes.

For recent hypothetical historical values of the Basket, see "The Basket" section below. For recent actual levels of the Basket Components, see "The Basket Components" section below. Each Basket Component is a price return index and as such the Ending Value will not include any income generated by dividends paid on the stocks included in any of the Basket Components, which you would otherwise be entitled to receive if you invested in those stocks directly. In addition, all payments on the notes are subject to issuer credit risk.

Ending Value	Percentage Change from the Starting Value to the Ending Value	Redemption Amount per Unit	Total Rate of Return on the Notes
0.00	-100.00%	\$0.000	-100.00%
50.00	-50.00%	\$5.000	-50.00%
80.00	-20.00%	\$8.000	-20.00%
90.00	-10.00%	\$9.000	-10.00%
94.00	-6.00%	\$9.400	-6.00%
97.00	-3.00%	\$9.700	-3.00%
100.00(1)(2)	0.00%	\$11.103 <sup>(3)</sup>	11.03%
102.00	2.00%	\$11.103	11.03%
105.00	5.00%	\$11.103	11.03%
110.00	10.00%	\$11.103	11.03%
111.03 <sup>(4)</sup>	11.03%	\$11.103	11.03%
120.00	20.00%	\$12.000	20.00%
130.00	30.00%	\$13.000	30.00%
140.00	40.00%	\$14.000	40.00%
150.00	50.00%	\$15.000	50.00%
160.00	60.00%	\$16.000	60.00%
(1) The Starting Value w	as set to 100.00 on the pricing date.		

(2)This is the Threshold Value.

(3) This amount represents the sum of the principal amount and the Step Up Payment of \$1.10.

(4)This is the Step Up Value.

### Market-Linked Step Up Notes

Linked to an International Equity Index Basket, due March 25, 2021

#### **Redemption Amount Calculation Examples**

90.00

#### Example 1

The Ending Value is 90.00, or 90.00% of the Starting Value:

Starting Value: 100.00

Threshold Value: 100.00

Ending Value:

 $10-\left[10\times\left(\frac{100-90}{100}\right)\right] = 9.00$  Redemption Amount per unit

#### Example 2

The Ending Value is 110.00, or 110.00% of the Starting Value:Starting Value:100.00Step Up Value:111.03Ending Value:110.00

\$10.000 + \$1.103 = \$11.103Redemption Amount per unit, the principal amount plus the Step Up Payment, since the Ending Value is equal to or greater than the Starting Value, but less than the Step Up Value.

#### Example 3

The Ending Value is 143.00, or 143.00% of the Starting Value:Starting Value:100.00Step Up Value:111.03Ending Value:143.00

\$10 +	$[$ \$10 $\times$	$\left(\frac{143-100}{100}\right)$	] =	\$14.30Redemption Amount per unit
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Market-Linked Step Up Notes

Linked to an International Equity Index Basket, due March 25, 2021

## **Risk Factors**

There are important differences between the notes and a conventional debt security. An investment in the notes involves significant risks, including those listed below. You should carefully review the more detailed explanation of risks relating to the notes in the "Risk Factors" sections beginning on page PS-7 of product supplement EQUITY INDICES SUN-1, page S-1 of the MTN prospectus supplement, and page 1 of the prospectus identified above. We also urge you to consult your investment, legal, tax, accounting, and other advisors before you invest in the notes.

- Depending on the performance of the Basket as measured shortly before the maturity date, your investment may result in a loss; there is no guaranteed return of principal.
- Your return on the notes may be less than the yield you could earn by owning a conventional fixed or floating rate debt security
  of comparable maturity.
- Payments on the notes are subject to our credit risk, and actual or perceived changes in our creditworthiness are expected to
  affect the value of the notes. If we become insolvent or are unable to pay our obligations, you may lose your entire investment.
- Your investment return may be less than a comparable investment directly in the stocks included in the Basket Components.
- The initial estimated value of the notes is an estimate only, determined as of a particular point in time by reference to our and our affiliates' pricing models. These pricing models consider certain assumptions and variables, including our credit spreads, our internal funding rate on the pricing date, mid-market terms on hedging transactions, expectations on interest rates and volatility, price-sensitivity analysis, and the expected term of the notes. These pricing models rely in part on certain forecasts about future events, which may prove to be incorrect.
- The public offering price you pay for the notes exceeds the initial estimated value. If you attempt to sell the notes prior to maturity, their market value may be lower than the price you paid for them and lower than the initial estimated value. This is due to, among other things, changes in the value of the Basket, our internal funding rate, and the inclusion in the public offering price of the underwriting discount and the hedging related charge, all as further described in "Structuring the Notes" on page TS-28. These factors, together with various credit, market and economic factors over the term of the notes, are expected to reduce the price at which you may be able to sell the notes in any secondary market and will affect the value of the notes in complex and unpredictable ways.
- The initial estimated value does not represent a minimum or maximum price at which we, MLPF&S, BofAS or any of our affiliates would be willing to purchase your notes in any secondary market (if any exists) at any time. The value of your notes at any time after issuance will vary based on many factors that cannot be predicted with accuracy, including the performance of the Basket, our creditworthiness and changes in market conditions.
- A trading market is not expected to develop for the notes. None of us, MLPF&S or BofAS is obligated to make a market for, or to repurchase, the notes. There is no assurance that any party will be willing to purchase your notes at any price in any secondary market.
- Our business, hedging and trading activities, and those of BofAS, MLPF&S and our respective affiliates (including trades in shares of companies included in the Basket Components), and any hedging and trading activities we, BofAS, MLPF&S or our respective affiliates engage in for our clients' accounts, may affect the market value and return of the notes and may create conflicts of interest with you.
- Changes in the level of one Basket Component may be offset by changes in the level of the other Basket Components. Due to
  the different Initial Component Weights, changes in the level of some Basket Components will have a more substantial impact
  on the value of the Basket than similar changes in the levels of the other Basket Components.
- The index sponsors may adjust each Basket Component in a way that affects its level, and the index sponsors have no
  obligation to consider your interests.
- You will have no rights of a holder of the securities represented by the Basket Components, and you will not be entitled to receive securities or dividends or other distributions by the issuers of those securities.
- While we, BofAS, MLPF&S or our respective affiliates may from time to time own securities of companies included in the Basket Components, we, BofAS, MLPF&S and our respective affiliates do not control any company included in the Basket Components, and have not verified any disclosure made by any other company.
- Your return on the notes and the value of the notes may be affected by exchange rate movements and factors affecting the international securities markets, specifically changes in the countries represented by the Basket Components. In addition, you will not obtain the benefit of any increase in the value of the currencies in which the securities included in the Basket Components trade against the U.S. dollar, which you would have received if you had owned the securities represented by the Basket Components during the term of your notes, although the levels of the Basket Components may be adversely affected by general exchange rate movements in the market.
- There may be potential conflicts of interest involving the calculation agent, which is BofAS. We have the right to appoint and remove the calculation agent.

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https://www.sec.gov/Archives/edgar/data/1000275/000114036120002131/form424b2.htm

## Market-Linked Step Up Notes

Linked to an International Equity Index Basket, due March 25, 2021

 The U.S. federal income tax consequences of the notes are uncertain, and may be adverse to a holder of the notes. See "Summary of U.S. Federal Income Tax Consequences" below and "U.S. Federal Income Tax Summary" on page PS-33 of product supplement EQUITY INDICES SUN-1. For a discussion of the Canadian federal income tax consequences of investing in the notes, see "Tax Consequences – Canadian Taxation" in the prospectus dated September 7, 2018.

## Other Terms of the Notes

#### Market Measure Business Day

The following definition shall supersede and replace the definition of a "Market Measure Business Day" set forth in product supplement EQUITY INDICES SUN-1:

A "Market Measure Business Day" means a day on which:

- (A) each of the Eurex (as to the EURO STOXX 50<sup>®</sup> Index), the London Stock Exchange (as to the FTSE<sup>®</sup>100 Index), the Tokyo Stock Exchange (as to the Nikkei Stock Average Index), the SIX Swiss Exchange (as to the Swiss Market Index), the Australian Stock Exchange (as to the S&P/ASX 200 Index), and the Stock Exchange of Hong Kong (as to the Hang Seng Index) (or any successor to the foregoing exchanges) are open for trading; and
- (B) the Basket Components or any successors thereto are calculated and published.

Linked to an International Equity Index Basket, due March 25, 2021

## The Basket

The Basket is designed to allow investors to participate in the percentage changes in the levels of the Basket Components from the Starting Value to the Ending Value of the Basket. The Basket Components are described in the section "The Basket Components" below. Each Basket Component was assigned an initial weight on the pricing date, as set forth in the table below.

For more information on the calculation of the value of the Basket, please see the section entitled "Description of the Notes – Basket Market Measures" beginning on page PS-22 of product supplement EQUITY INDICES SUN-1.

On the pricing date, for each Basket Component, the Initial Component Weight, the closing level, the Component Ratio and the initial contribution to the Basket value were as follows:

	Initial				Initial Basket	
Paakat Component	Bloomberg Symbol	Component Weight	Closing Level <sup>(1)</sup>	Component Ratio <sup>(2)</sup>	Value Contribution	
Basket Component		V				
EURO STOXX 50 <sup>®</sup> Index	SX5E	40.00%	3,690.78	0.01083782	40.00	
FTSE <sup>®</sup> 100 Index	UKX	20.00%	7,381.96	0.00270931	20.00	
Nikkei Stock Average Index	NKY	20.00%	22,977.75	0.00087041	20.00	
Swiss Market Index	SMI	7.50%	10,748.92	0.00069774	7.50	
S&P/ASX 200 Index	AS51	7.50%	7,008.429	0.00107014	7.50	
Hang Seng Index	HSI	5.00%	26,449.13	0.00018904	5.00	
				Starting Value	100.00	

(1) These were the closing levels of the Basket Components on the pricing date.

(2) Each Component Ratio equals the Initial Component Weight of the relevant Basket Component (as a percentage) multiplied by 100, and then divided by the closing level of that Basket Component on the pricing date and rounded to eight decimal places.

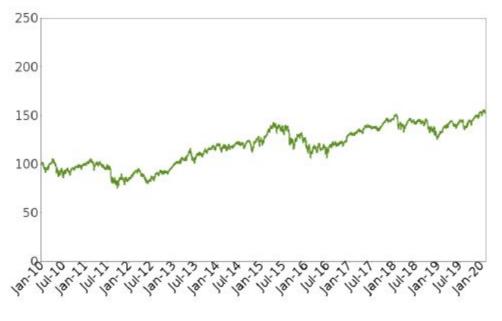
The calculation agent will calculate the value of the Basket by summing the products of the closing level for each Basket Component on the calculation day and the Component Ratio applicable to such Basket Component. If a Market Disruption Event occurs as to any Basket Component on the scheduled calculation day, the closing level of that Basket Component will be determined as more fully described beginning on page PS-22 of product supplement EQUITY INDICES SUN-1 in the section "Description of the Notes – Basket Market Measures – Observation Level or Ending Value of the Basket."

https://www.sec.gov/Archives/edgar/data/1000275/000114036120002131/form424b2.htm

## Market-Linked Step Up Notes

Linked to an International Equity Index Basket, due March 25, 2021

While actual historical information on the Basket did not exist before the pricing date, the following graph sets forth the hypothetical daily historical performance of the Basket from January 1, 2010 through January 30, 2020. The graph is based upon actual daily historical levels of the Basket Components, hypothetical Component Ratios based on the closing levels of the Basket Components determined as of December 31, 2009, and a Basket value of 100.00 as of that date. This hypothetical historical data on the Basket is not necessarily indicative of the future performance of the Basket or what the value of the notes may be. Any hypothetical historical upward or downward trend in the value of the Basket during any period set forth below is not an indication that the value of the Basket is more or less likely to increase or decrease at any time over the term of the notes.



#### Hypothetical Historical Performance of the Basket

Linked to an International Equity Index Basket, due March 25, 2021

## The Basket Components

All disclosures contained in this term sheet regarding the Basket Components, including, without limitation, their make-up, method of calculation, and changes in their components, have been derived from publicly available sources. The information reflects the policies of, and is subject to change by each of STOXX Limited ("STOXX") with respect to the EURO STOXX 50<sup>®</sup> Index (the "SX5E"), FTSE International Limited ("FTSE") with respect to the FTSE<sup>®</sup> 100 Index (the "UKX"), Nikkei Inc. ("Nikkei") with respect to the Nikkei Stock Average Index (the "NKY"), the Geneva, Zurich, SIX Group Ltd., certain of its subsidiaries, and the Management Committee of the SIX Swiss Exchange (the "SIX Exchange"), with respect to the Swiss Market Index (the "SMI"), S&P Dow Jones Indices LLC ("S&P"), a division of S&P Global, with respect to the S&P/ASX 200 Index (the "AS51"), and HSI Services Limited ("HSIL") with respect to the Hang Seng<sup>®</sup> Index (the "HSI") (STOXX, FTSE, Nikkei, S&P, Six Exchange and HSIL together, the "index sponsors"). The index sponsors have no obligation to continue to publish, and may discontinue or suspend the publication of any Basket Component at any time. The consequences of any index sponsor discontinuing publication of a Basket Component are discussed in the section entitled "Description of the Notes—Discontinuance of an Index" in product supplement EQUITY INDICES SUN-1. None of us, the calculation agent, MLPF&S or BofAS accepts any responsibility for the calculation, maintenance, or publication of any Basket Component or any successor index.

#### The EURO STOXX 50<sup>®</sup> Index

The SX5E was created by STOXX, which is currently owned by Deutsche Börse AG. Publication of the SX5E began in February 1998, based on an initial SX5E level of 1,000 at December 31, 1991.

#### **Composition and Maintenance**

The SX5E is composed of 50 component stocks of market sector leaders from within the 19 EURO STOXX<sup>®</sup> Supersector indices, which represent the Eurozone portion of the STOXX Europe 600<sup>®</sup> Supersector indices.

The composition of the SX5E is reviewed annually, based on the closing stock data on the last trading day in August. The component stocks are announced on the first trading day in September. Changes to the component stocks are implemented on the third Friday in September and are effective the following trading day. Changes in the composition of the SX5E are made to ensure that the SX5E includes the 50 market sector leaders from within the SX5E.

The free float factors for each component stock used to calculate the SX5E, as described below, are reviewed, calculated, and implemented on a quarterly basis and are fixed until the next quarterly review.

The SX5E is also reviewed on an ongoing basis. Corporate actions (including initial public offerings, mergers and takeovers, spin-offs, delistings, and bankruptcy) that affect the SX5E composition are immediately reviewed. Any changes are announced, implemented, and effective in line with the type of corporate action and the magnitude of the effect.

#### Calculation of the SX5E

The SX5E is calculated with the "Laspeyres formula," which measures the aggregate price changes in the component stocks against a fixed base quantity weight. The formula for calculating the SX5E value can be expressed as follows:

Index =

<u>Free float market capitalization of the index</u> x 1,000 Adjusted base date market capitalization of the index

The "free float market capitalization of the SX5E" is equal to the sum of the products of the closing price, market capitalization, and free float factor for each component stock as of the time the SX5E is being calculated.

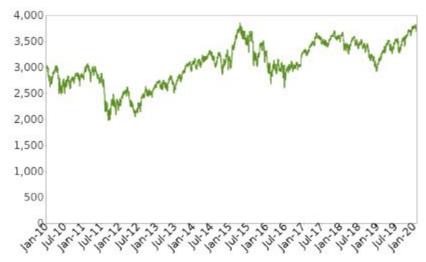
The SX5E is also subject to a divisor, which is adjusted to maintain the continuity of the SX5E values across changes due to corporate actions, such as the deletion and addition of stocks, the substitution of stocks, stock dividends, and stock splits.

Market-Linked Step Up Notes

Linked to an International Equity Index Basket, due March 25, 2021

The following graph shows the daily historical performance of the SX5E in the period from January 1, 2010 through January 30, 2020. We obtained this historical data from Bloomberg L.P. We have not independently verified the accuracy or completeness of the information obtained from Bloomberg L.P. On the pricing date, the closing level of the SX5E was 3,690.78.

Historical Performance of the EURO STOXX 50<sup>®</sup> Index



# This historical data on the SX5E is not necessarily indicative of the future performance of the SX5E or what the value of the notes may be. Any historical upward or downward trend in the level of the SX5E during any period set forth above is not an indication that the level of the SX5E is more or less likely to increase or decrease at any time over the term of the notes.

Before investing in the notes, you should consult publicly available sources for the levels of the SX5E.

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- consider the needs of the notes or the holders of the notes in determining, composing, or calculating the SX5E, or have any obligation to do so.

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The licensing agreement between us and STOXX is solely for their benefit and our benefit, and not for the benefit of the holders of the notes or any other third parties.

Linked to an International Equity Index Basket, due March 25, 2021

#### The FTSE<sup>®</sup> 100 Index

The FTSE<sup>®</sup> 100 Index (the "UKX") is a market capitalization-weighted index of the 100 most highly capitalized U.K.-listed blue chip companies traded on the London Stock Exchange. The UKX was developed with a base level of 1,000 as of December 30, 1983. It is calculated, published and disseminated by FTSE International Limited ("FTSE"), a company owned by the London Stock Exchange Plc (the "Exchange"). Additional information on the UKX is available from the following website: www.ftse.com/uk. We are not incorporating by reference the website or any material it includes in this document. FTSE is under no obligation to continue to publish the UKX and may discontinue publication of the UKX at any time.

#### Index Composition and Selection Criteria

The UKX consists of the 100 largest U.K.-listed blue chip companies, based on full market capitalization, that pass screening tests for price and liquidity. The UKX is reviewed on a quarterly basis in March, June, September and December based on data from the close of business on the Tuesday before the first Friday of the review month. The FTSE Europe, Middle East & Africa Regional Advisory Committee (the "Committee"), meets quarterly to approve the constituents of the index. These meetings are held on the Wednesday before the first Friday in March, June, September and December. Any constituent changes are implemented after the close of business on the third Friday of the review month (i.e., effective Monday), following the expiration of the London International Financial Futures and Options Exchange futures and options contracts.

#### **Eligibility Standards**

Only "premium listed" equity shares, as defined by the Financial Conduct Authority in its Listing Rules Sourcebook, are eligible for inclusion in the UKX. Eligible stocks must pass price and liquidity screens before being included in the index. Additionally, a stock must have a free float (as described below) of greater than 5%.

*Price Screen* — With regard to the price screen, the Committee must be satisfied that an accurate and reliable price exists for purposes of determining the market value of a company. To be eligible for inclusion in the UKX, a stock must have a full listing on the London Stock Exchange with a Sterling-denominated price on SETS (SETS is the London Stock Exchange's trading service for UK blue chip securities).

*Liquidity Screen* — With regard to liquidity, each eligible stock is tested for liquidity annually in June by calculating its median daily trading per month. When calculating the median of daily trades per month of any security, a minimum of five trading days in each month must exist, otherwise the month is excluded from the test. Liquidity is tested from the first business day in May of the previous year to the last business day of April. The median trade is calculated by ranking each daily trade total and selecting the middle-ranking day. Any period of suspension is not included in the test. The liquidity test is applied on a pro-rata basis where the testing period is less than 12 months. A stock not presently included in the UKX that does not turnover at least 0.025% of its shares in issue (after application of any investability weightings) based on its median daily trade per month in at least ten of the 12 months prior to the annual index review in June will not be eligible for inclusion until the next annual review. An existing constituent failing to trade at least 0.015% of its shares in issue (after the application of any investability weightings) based on its median daily trade per month for at least eight of the 12 months prior to the annual index review will be removed from the UKX and will not be eligible for inclusion until the next annual review. An existing constituent failing to trade at least 0.015% of its shares in issue (after the application of any investability weightings) based on its median daily trade per month for at least eight of the 12 months prior to the annual index review will be removed from the UKX and will not be eligible for inclusion until the next annual review date and that they have turned over at least 0.025% of their shares in issue (after the application of any investability weightings) based on their median daily trade per month since listing.

In addition, in order to be included in the UKX, a company is required to have greater than 5% of its voting rights (aggregated across all of its equity securities, including, where identifiable, those that are not listed or trading) in the hands of unrestricted shareholders. Current constituents of this index that who do not meet this requirement will have until the September 2022 review to meet the requirement; otherwise they will be removed from the UKX.

Market Capitalization Ranking — Eligible stocks that pass the price and liquidity screens are ranked by the Committee according to their market capitalization before the application of any adjustments based on the extent to which the shares are publicly traded. Only the quoted equity capital of a constituent company will be included in the calculation of its market capitalization. Where a company has two or more classes of equity, secondary lines will be included in the calculation of the market capitalization of the company only if those lines are significant and liquid. The Committee will add a stock to the UKX at the quarterly review if it has risen to 90th place or above on the full market capitalization rankings and will delete a stock at the quarterly review if it has fallen to 111th place or below on these rankings. Market capitalization rankings are calculated using data as of the close of business on the day before the review.

100 Constituent Limitation — The UKX always contains 100 constituents. If a greater number of companies qualify to be inserted in the index than qualify to be removed, the lowest ranking constituents of the index will be removed so that the total number of stocks remains at 100 following inclusion of those that qualify to be inserted. Likewise, if a greater number of companies qualify to be removed than to be inserted at the quarterly review, securities of the highest ranking companies that are then not included in the UKX will be inserted to match the number of companies being removed, in order to maintain the total at 100.

#### Index Calculation

The UKX is a market capitalization weighted index. This means that the price movement of a larger company (that is, one representing larger percentage of the index) will have a greater effect on the level of the index than will the price movement of a smaller company (that is, one representing a smaller percentage of the index).

Linked to an International Equity Index Basket, due March 25, 2021

The value of the UKX is represented by a fraction, (a) the numerator of which is the sum of the product of (i) the price of each component stock, (ii) the number of shares issued for each such component and (iii) a free float factor for each such component (described more fully below), and (b) the denominator of which is a divisor. The divisor represents the total issued share capital of the index on the base date; the divisor may be adjusted as necessary to allow for changes in issued share capital of individual securities without distorting the index.

As noted above, a free float factor is applied to each index component. By employing this approach, FTSE uses the investable market capitalization, of each constituent to determine the value of the UKX. Investable market capitalization depends on free float. The following are excluded from free float: shares directly owned by state, regional, municipal and local governments (excluding shares held by independently managed pension schemes for governments); shares held by sovereign wealth funds where each holding is 10% or greater of the total number of shares in issue (if the holding subsequently decreases below 10%, the shares will be excluded from free float until the holding falls below 7%); shares held by directors, senior executives and managers of the company, and by their family and direct relations, and by companies with which they are affiliated; shares held within employee share plans; shares held by public companies or by non-listed subsidiaries of public companies; shares held by founders, promoters, former directors, founding venture capital and private equity firms, private companies and individuals (including employees) where the holding is 10% or greater of the total number of shares where the holding subsequently decreases below 10%, the shares will be excluded from free float until the holding falls below 7%); and by their family and direct relations, and by companies of public companies; shares held by founders, promoters, former directors, founding venture capital and private equity firms, private companies and individuals (including employees) where the holding is 10% or greater of the total number of shares in issue (if the holding subsequently decreases below 10%, the shares will be excluded from free float until the holding falls below 7%); all shares where the holder is subject to a lock-in clause (for the duration of that clause, after which free float changes resulting from the expiration of a lock-in clause will be implemented at the next quarterly review subsequent to there being a mi

The UKX is recalculated whenever errors or distortions occur that are deemed to be significant. Users of the UKX are notified through appropriate media.

#### **Index Maintenance**

The UKX is reviewed quarterly for changes in free float. A stock's free float is also reviewed and adjusted if necessary following certain corporate events. Following a takeover or merger involving one or more index constituents, the free float restrictions will be based on restricted holdings in the successor company and will be implemented when the offer has completed (or lapsed) unless it directly reflects a corporate action independent of and not conditional on the takeover or merger completing or lapsing. If the corporate event includes another corporate action that affects the index, a change in free float is implemented at the same time as the corporate action. If there is no corporate action, the change in free float will be applied at the next quarterly review. Following the application of an initial free float restriction, a stock's free float will only be changed if its rounded free float moves more than three percentage points above or below the existing rounded free float. Companies with a free float of above 99% and of 15% or below will not be subject to the three percentage points threshold.

At each quarterly review, the Committee publishes a Reserve List containing the six highest ranking non-constituents of the UKX. The Reserve List will be used in the event that one or more constituents are deleted from the index during the period up to the next quarterly review. If a merger or takeover results in one index constituent being absorbed by another constituent, the resulting company will remain a constituent and a vacancy will be created. This vacancy will be filled by selecting the highest ranking security in the Reserve List as at the close of the UKX calculation two days prior to the deletion and related index adjustment. If an index constituent is taken over by a non-constituent company, the original constituent will be removed and replaced by the highest ranking non-constituent on the Reserve List. Any eligible company resulting from the takeover will be eligible to become the replacement company if it is ranked higher than any other company on the Reserve List. If a constituent company is split to form two or more companies, then the resulting companies will be eligible for inclusion as UKX constituents, based on their respective full market capitalizations (before the application of any investability weightings), provided that they qualify in all other respects. Any eligible company resulting from a split that has no available market price after 20 business days will be removed. If a constituent is delisted or ceases to have a firm quotation, it will be removed from the list of constituents and be replaced by the highest ranking eligible company from the Reserve List as at the close of the index calculation two days prior to the deletion.

#### **Capitalization Adjustments**

A premium listed secondary line of a company will be considered for index inclusion if its total market capitalization before the application of any adjustments based on the extent to which the shares are publicly traded, is greater than 25% of the total market capitalization of the company's principal line and the secondary line is eligible, in its own right. Should the total market capitalization of a secondary line fall below 20% of the total market capitalization of the company's principal line and the secondary line is eligible, in its own right. Should the total market capitalization of a secondary line fall below 20% of the total market capitalization of the company's principal line at an annual review, the secondary line will be deleted from the UKX unless its total market capitalization remains above the qualification level for continued inclusion as a constituent of the UKX at that review. Where a company has partly paid shares, these shares, together with the outstanding call(s), are both included in the UKX. Warrants to purchase ordinary shares and convertible securities are not included in the UKX until they are exercised or converted.

Linked to an International Equity Index Basket, due March 25, 2021

Share Weighting Changes — For the purposes of computing the UKX, the number of shares in issue for each constituent security is expressed to the nearest share and, to prevent a large number of insignificant weighting changes, the number of shares in issue for each constituent security is amended only when the total shares in issue held within the index system changes by more than 1% on a cumulative basis. Changes will be made quarterly after the close of business on the third Friday of March, June, September and December. The data for these changes will be taken from the close of business on the third Wednesday of the month prior to the review month.

If a corporate action is applied to a constituent which involves a change in the number of shares in issue, the change in shares will be applied simultaneously with the corporate action. If accumulated changes in the number of shares in issue add up to 10% or more or when an accumulated share change represents \$2 billion of a company's total market capitalization, they are implemented between quarters. If an adjustment is made, it will be applied for the first time at the next review in March of the following year. All adjustments are made before the start of the index calculation on the day concerned, unless market conditions prevent this.

*Shares in Issue Increase* — When a company increases the number of shares it has in issue, the market capitalization of that company increases and the total market capitalization will rise accordingly. The index divisor is adjusted to maintain a constant index value.

Weighting Amendments — The market capitalization of a company is adjusted to take account of various corporate actions. To prevent the value of the UKX from changing due to such an event, all corporate actions which affect the market capitalization of the UKX require an offsetting divisor adjustment. By adjusting the divisor, the value of the UKX remains constant before and after the event. Below is a summary of the more frequent corporate actions and their resulting adjustment.

Type of Corporate Action	Adjustment	Adjustment to Divisor
Issue of new shares	Share weighting increased	Yes
Share repurchase	Share weighting decreased	Yes
Bonus issued or stock split	Share weighting multiplied by four.	No
	Share price divided by four	

*Rights Issues* — A rights issue is where a company raises new capital by offering shareholders additional shares at a set ratio with a discount to the market price. The rights become attached to the shares on a set date—the ex-date. On this date, the price of the company's underlying shares will fall by the value of the rights. The effect of the rights issue is to increase the market capitalization of the company by the value of the additional shares created by the rights issue less the value of the fall in the share price. The share weighting of the company and index divisor are also adjusted to prevent the index falling in line with the reduction in the share price on the ex-date.

In the event that the market price is equal to or below the rights offer price at the close of business immediately before trading exdividend, no adjustments will be made. In this circumstance, any resulting new shares will only be added to the index weighting once the take-up proportion is known and together with any associated change to the company's free float. If the rights issue is highly dilutive and the ratio is greater than ten to one, FTSE will include the new shares on a separate temporary line to reflect the market value of the right (together with a temporary line fixed at the value of the outstanding rights subscription price) until the end of the subscription period, at which point the temporary lines will be deleted and the new shares will be merged into the existing share line. In the event the rights issue involves non-equity and the value of the right cannot be determined, there will be no adjustment to the parent stock on the ex-date. The rights line will be included in the index at a value of zero on the ex-date (with no inclusion of the cash call value). If the rights line trades, it will be deleted at the market price after two days. If it does not trade, it will be deleted at a value of zero.

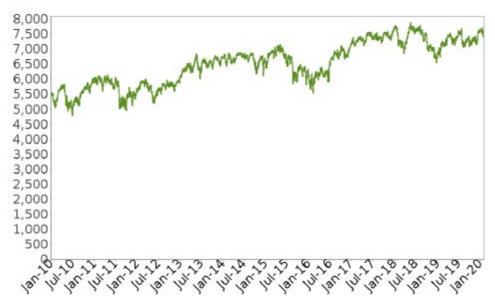
#### **Market Disruption**

If there is a system problem or situation in the market that is judged by FTSE to affect the quality of the constituent prices at any time when the index is being calculated, the index will be declared indicative (e.g. normally where a "fast market" exists in the equity market). The message "IND" will be displayed against the index value calculated by FTSE. The Committee must be satisfied that an accurate and reliable price for the purposes of determining the market value of a company exists. The Committee may exclude a security from the UKX should it consider that an "accurate and reliable" price is not available.

If any event leads to an error in the index value of the UKX that is greater than three basis points at the local country index level, then the UKX will generally be recalculated, subject to discovery, within one month of the event. Where an alternative approach is available, FTSE may, at its sole discretion, choose not to recalculate.

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Historical Performance of the FTSE® 100 Index

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#### The Nikkei Stock Average Index

The NKY was developed by Nikkei Inc. and is calculated, maintained and published by Nikkei Digital Media, Inc. a wholly owned subsidiary of Nikkei Inc. The index is reported by Bloomberg L.P. under the symbol "NKY."

The NKY is a stock index that measures the composite price performance of selected Japanese stocks. The formal name of the NKY is the Nikkei Stock Average. The NKY is based on 225 underlying stocks (the "Nikkei Underlying Stocks") trading on the Tokyo Stock Exchange ("TSE") representing a broad cross-section of Japanese industries. All 225 Nikkei Underlying Stocks are stocks listed in the First Section of the TSE. Stocks listed in the First Section of the TSE are among the most actively traded stocks on the TSE. Nikkei Inc. rules require that the 75 most liquid issues (one-third of the component count of the NKY) be included in the NKY. Nikkei Inc. was first calculated and published the NKY in 1970; prior to 1970, the TSE calculated the NKY.

The 225 companies included in the NKY are divided into six sector categories: Technology, Financials, Consumer Goods, Materials, Capital Goods/Others and Transportation and Utilities. These six sector categories are further divided into 36 industrial classifications as follows:

- Technology Pharmaceuticals, Electrical Machinery, Automobiles, Precision Machinery, Telecommunications;
- Financials Banks, Miscellaneous Finance, Securities, Insurance;
- Consumer Goods Marine Products, Food, Retail, Services;
- Materials Mining, Textiles, Paper and Pulp, Chemicals, Oil, Rubber, Ceramics, Steel, Nonferrous Metals, Trading House;
- Capital Goods/Others Constructions, Machinery, Shipbuilding, Transportation Equipment, Miscellaneous Manufacturing, Real Estate; and
- Transportation and Utilities Railroads and Buses, Trucking, Shipping, Airlines, Warehousing, Electric Power, Gas.

#### **Calculation of the NKY**

The NKY is a modified, price-weighted index (i.e., a Nikkei Underlying Stock's weight in the NKY is based on its price per share rather than the total market capitalization of the issuer) which is calculated by (i) multiplying the per share price of each Nikkei Underlying Stock by the corresponding weighting factor for such Nikkei Underlying Stock (a "Weight Factor"), (ii) calculating the sum of all these products and (iii) dividing such sum by a divisor (the "Divisor"). The Divisor was initially set at 225 for the date of May 16, 1949 (the date on which the TSE was reopened after World War II) using historical numbers from that date. The Divisor is subject to periodic adjustments as set forth below. Each Weight Factor is computed by dividing ¥50 by the presumed par value of the relevant Nikkei Underlying Stock, so that the share price of each Nikkei Underlying Stock when multiplied by its Weight Factor corresponds to a share price based on a uniform par value of ¥50. The stock prices used in the calculation of the NKY are those reported by a primary market for the Nikkei Underlying Stocks (currently the TSE). The level of the NKY is calculated once every 15 seconds during TSE trading hours.

In order to maintain continuity in the NKY in the event of certain changes due to non-market factors affecting the Nikkei Underlying Stocks, such as the addition or deletion of stocks, substitution of stocks, stock splits or distributions of assets to stockholders, the Divisor used in calculating the NKY is adjusted in a manner designed to prevent any instantaneous change or discontinuity in the level of the NKY. Thereafter, the Divisor remains at the new value until a further adjustment is necessary as the result of another change. As a result of such change affecting any Nikkei Underlying Stock, the Divisor is adjusted in such a way that the sum of all share prices immediately after such change multiplied by the applicable Weight Factor and divided by the new Divisor (i.e., the level of the NKY immediately after such change) will equal the level of the NKY immediately prior to the change.

#### Standards for Listing and Maintenance

A Nikkei Underlying Stock may be deleted or added by Nikkei Inc. Any stock becoming ineligible for listing in the First Section of the TSE due to any of the following reasons will be deleted from the Nikkei Underlying Stocks: (i) bankruptcy of the issuer, (ii) merger of the issuer with, or acquisition of the issuer by, another company, (iii) delisting of such stock, (iv) transfer of such stock to the "Seiri-Post" because of excess debt of the issuer or because of any other reason or (v) transfer of such stock to the Second Section. In addition, a component stock transferred to the "Kanri-Post" (Posts for stocks under supervision) becomes a candidate for deletion. Nikkei Underlying Stocks with relatively low liquidity, based on trading value and rate of price fluctuation over the past five years, may be deleted by Nikkei Inc. Upon deletion of a stock from the Nikkei Underlying Stocks, Nikkei Inc. will select a replacement for such deleted Nikkei Underlying Stock in accordance with certain criteria. In an exceptional case, a newly listed stock in the First Section of the TSE that is recognized by Nikkei Inc. to be representative of a market may be added to the Nikkei Underlying Stocks. In such a case, a newly listed stock in the First Section of the TSE that is recognized by Nikkei Inc. to be representative of a market may be added to the Nikkei Underlying Stocks. In such a case, a newly listed stock in the First Section of the TSE that is recognized by Nikkei Inc. to be representative of a market may be added to the Nikkei Underlying Stocks. In such a case, a newly listed stock in the First Section of the TSE that is recognized by Nikkei Inc. to be representative of a market may be added to the Nikkei Underlying Stocks. In such a case, an existing Nikkei Underlying Stock with low trading volume and deemed not to be representative of a market will be deleted by Nikkei Inc.

A list of the issuers of the Nikkei Underlying Stocks constituting the NKY is available from the Nikkei Economic Electronic Databank System and from the Stock Market Indices Data Book published by Nikkei Inc. Nikkei Inc. may delete, add or substitute any stock underlying the NKY.

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Market-Linked Step Up Notes

https://www.sec.gov/Archives/edgar/data/1000275/000114036120002131/form424b2.htm

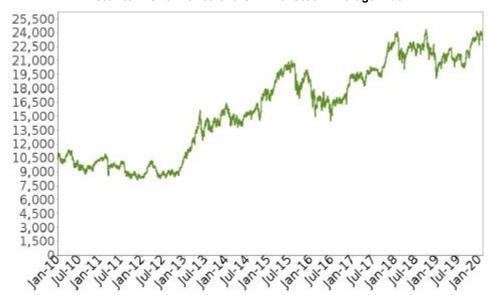
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In addition, the Nikkei Index Sponsor gives no assurance regarding any modification or change in any methodology used in calculating the NKY and is under no obligation to continue the calculation, publication and dissemination of the NKY.

The following graph shows the daily historical performance of the NKY in the period from January 1, 2010 through January 30, 2020. We obtained this historical data from Bloomberg L.P. We have not independently verified the accuracy or completeness of the information obtained from Bloomberg L.P. On the pricing date, the closing level of the NKY was 22,977.75.



Historical Performance of the Nikkei Stock Average Index

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Before investing in the notes, you should consult publicly available sources for the levels of the NKY.

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Market-Linked Step Up Notes

Linked to an International Equity Index Basket, due March 25, 2021

#### The Swiss Market Index

The Swiss Market Index (the "SMI"):

- was first launched with a base level of 1,500 as of June 30, 1988; and
- is sponsored, calculated, published and disseminated by SIX Group Ltd., certain of its subsidiaries, and the Management Committee of the SIX Swiss Exchange (the "SIX Exchange").

The SMI is a price return float-adjusted market capitalization-weighted index of the 20 largest stocks traded on the Swiss Stock Exchange. The Management Committee of SIX Swiss Exchange is supported by an Index Commission (advisory board) in all indexrelated matters, notably in connection with changes to the index rules and adjustments, additions and exclusions outside of the established review and acceptance period. The Index Commission meets at least twice annually.

#### Index Composition and Selection Criteria

The SMI is comprised of the 20 highest ranked stocks traded on the Swiss Stock Exchange that have a free float of 20% or more and that are not investment companies. The equity universe is largely Swiss domestic companies; however, in some cases, foreign issuers with a primary listing on the Swiss Stock Exchange or investment companies that do not hold any shares of any other eligible company and that have a primary listing on the Swiss Stock Exchange may be included.

The ranking of each security is determined by a combination of the following criteria:

- average free-float market capitalization over the last 12 months (compared to the capitalization of the Swiss Performance Index, which serves as a benchmark for the overall Swiss equity market and as the index universe for the Swiss Market Index), and
  - cumulative on order book turnover over the last 12 months (compared to the total turnover of the Swiss Performance Index).

Each of these two factors is assigned a 50% weighting in ranking the stocks eligible for the SMI.

The SMI is reconstituted annually after prior notice of at least two months on the third Friday in September after the close of trading. For companies that were listed during the last 12 months, the cumulated on order book turnover generally excludes the first five trading days in the calculation. The ordinary index reconstitution is based on data from the previous July 1 through June 30. Provisional interim selection (ranking) lists based on the average free-float market capitalization and cumulative on order book turnover over the last 12 months are also published at the cut off dates of March 31, September 30 and December 31.

A security is admitted to the SMI if it ranks 18 or better in the selection list. A share ranked 19 or 20 is admitted only if a share included in the SMI meets the exclusion criteria directly (position 23 or lower) and no other share that either meets the admission criteria directly (position 18 or higher) or is rated higher has moved up in its place. A security is excluded from the SMI if it ranked 23 or lower in the selection list. A share ranked 21 or 22 is excluded only if a share meets the admission criteria directly (position 18 or higher) and no other share that either meets the exclusion criteria directly (position 23 or lower) or is rated lower has been excluded in its place.

#### **Index Maintenance**

*Constituent Changes.* In the case of major market changes as a result of corporate actions, the Management Committee of SIX Swiss Exchange can decide at the request of the Index Commission that a security should be admitted to the SMI outside of the annual review period as long as it clearly fulfills the criteria for inclusion. For the same reasons, a security can also be excluded if the requirements for admission to the SMI are no longer fulfilled. As a general rule, extraordinary acceptances into the SMI take place after a three-month period on a quarterly basis after the close of trading on the third Friday of March, June, September and December (for example, a security listed on or before the fifth trading day prior to the end of November cannot be included until the following March). If a delisting has been confirmed, it will be removed from the index at the next upcoming ordinary quarterly adjustment date (March, June, September and December), with a notice period of at least five days. If a delisted company is removed before the ordinary index review, it will be replaced by the highest ranked candidate on the selection list which is not yet part of the index in order to maintain 20 components.

*Number of Shares and Free Float.* The securities included in the SMI are weighted according to their free float. This means that shares deemed to be in firm hands are subtracted from the total market capitalization of that company. The free float is calculated on the basis of outstanding shares. Issued and outstanding equity capital is, as a rule, the total amount of equity capital that has been fully subscribed and wholly or partially paid in and documented in the Commercial Register. Not counting as issued and outstanding equity capital of a company. The free float is calculated on the basis of listed shares only. If a company offers several different categories of listed participation rights, each is treated separately for purposes of index calculation.

Shares held deemed to be in firm hands are shareholdings that have been acquired by one person or a group of persons in companies domiciled in Switzerland and which, upon exceeding 5%, have been reported to the SIX Exchange. Shares of persons and groups of persons who are subject to a shareholder agreement which is binding for more than 5% of the listed shares or who, according to publicly known facts, have a long-term interest in a company, are also deemed to be in firm hands.

For the calculation of the number of shares in firm hands, the SIX Exchange may also use other sources than the reports submitted to it. In particular, the SIX Exchange may use data gained from issuer surveys that it conducts itself.

Linked to an International Equity Index Basket, due March 25, 2021

In general, shares held by custodian nominees, trustee companies, investment funds, pension funds and investment companies are deemed free-floating regardless whether a report has been made to the SIX Exchange. The SIX Exchange classifies at its own discretion persons and groups of persons who, because of their area of activity or the absence of important information, cannot be clearly assigned.

The free-float rule applies only to bearer shares and registered shares. Capital issued in the form of participation certificates ("Partizipationsscheine") and bonus certificates ("Genussscheine") is taken into full account in calculating the SMI because it does not confer voting rights.

The number of securities in the SMI and the free-float factors are adjusted after the close of trading on four adjustment dates per year, the third Friday of March, June, September and December. Such changes are pre-announced at least one month before the adjustment date, although the index sponsor reserves the right to take account of recent changes before the adjustment date in the actual adjustment, so the definite new securities are announced five trading days before the adjustment date.

In order to avoid frequent slight changes to the weighting and to maintain the stability of the SMI, any extraordinary change of the total number of outstanding securities or the free float will only result in an extraordinary adjustment if it exceeds 10% and 5% respectively and is in conjunction with a corporate action. Such an adjustment takes effect after a notification period of two trading days based on the information available.

After a takeover, the index sponsor may, in exceptional cases, adjust the free float of a company upon publication of the end results after a five-day notification period or may exclude the security from the relevant index family. When an insolvency has been announced, an extraordinary adjustment will be made and the affected security will be removed from the SMI after five trading days' notice.

The index sponsor reserves the right to make an extraordinary adjustment, in exceptional cases, without observing the notification period.

*Capped Weightings and Intra-Quarter Breaches.* The weight of any index constituent that exceeds a weight of 18% within the Swiss Market Index is reduced to that value at each ordinary quarterly adjustment date by applying a capping factor to the calculation of such constituent's free float market capitalization. A constituent's number of shares and free float figure are used to determine its capping factor. The excess weight (the difference of the original weight minus the capped weight) is distributed proportionally across the other index constituents. The constituents are also capped to 18% as soon as two index constituents exceed a weight of 20% (an "intra-quarter breach"). If an intra-quarter breach is observed after the close of the markets, the new capping factors are implemented after the close of the following trading day. The weights of the largest components are therefore set again to be around 18% at the subsequent market open. If an issuer is represented in the Swiss Market Index by more than one security, the free float market capitalization of those securities is cumulated for the calculation of the capping factors.

#### **Index Calculation**

The index sponsor calculates the SMI using the "Laspeyres formula," with a weighted arithmetic mean of a defined number of securities issues. The formula for calculating the index value can be expressed as follows:

Swiss Market Index	Free Float Market Capitalization of the Swiss Market Index
(SMI <sup>®</sup> ) =	Divisor

The "free float market capitalization of the SMI<sup>®</sup>" is equal to the sum of the product of the last-paid price, the number of shares, the freefloat factor, the capping factor and, if a foreign stock is included, the current CHF exchange rate as of the time the index value is being calculated. The index value is calculated in real time and is updated whenever a trade is made in a component stock. Where any SMI component stock price is unavailable on any trading day, the index sponsor will use the last reported price for such component stock. Only prices from the SIX Exchange's electronic order book are used in calculating the SMI.

#### **Divisor Value and Adjustments**

The divisor is a technical number used to calculate the index and is adjusted to reflect changes in market capitalization due to corporate events.

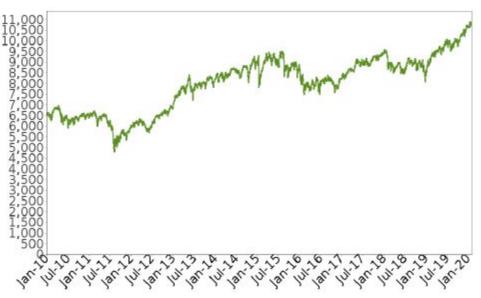
Below are common corporate events and their impact on the divisor of the index.

Event	Divisor Change?
Regular cash dividend	No
Repayments of capital through reduction of a share's par value	No
Special dividends, anniversary bonds and other extraordinary payments that, contrary to the company's usual dividend policy, are paid out or declared extraordinary.	Yes
Share dividends (company's own shares)	No
Share dividend (shares of another company)	Yes

The index sponsor reserves the right to respond to any other corporate events with divisor adjustments or, in extraordinary circumstances, to depart from the provisions set forth above.

Linked to an International Equity Index Basket, due March 25, 2021

The following graph shows the daily historical performance of the SMI in the period from January 1, 2010 through January 30, 2020. We obtained this historical data from Bloomberg L.P. We have not independently verified the accuracy or completeness of the information obtained from Bloomberg L.P. On the pricing date, the closing level of the SMI was 10,748.92.



Historical Performance of the Swiss Market Index

This historical data on the SMI is not necessarily indicative of the future performance of the SMI or what the value of the notes may be. Any historical upward or downward trend in the level of the SMI during any period set forth above is not an indication that the level of the SMI is more or less likely to increase or decrease at any time over the term of the notes.

Before investing in the notes, you should consult publicly available sources for the levels of the SMI.

#### License Agreement

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Linked to an International Equity Index Basket, due March 25, 2021

#### The S&P/ASX 200 Index

The S&P®/ASX 200 Index (the "AS51"):

- was first launched in 1979 by the Australian Securities Exchange and was acquired and re-launched by its current index sponsor on April 3, 2000; and
- is sponsored, calculated, published and disseminated by S&P Dow Jones Indices LLC, a part of McGraw Hill Financial ("S&P").

The AS51 includes 200 of the largest and most liquid stocks listed on the Australian Securities Exchange ("ASX") by market capitalization. As discussed below, the AS51 is not limited solely to companies having their primary operations or headquarters in Australia or to companies having their primary listing on the ASX. All ordinary and preferred shares (if such preferred shares are not of a fixed income nature) listed on the ASX, including secondary listings, are eligible for the AS51. Hybrid stocks, bonds, warrants, preferred stock that provides a guaranteed fixed return and listed investment companies are not eligible for inclusion.

The AS51 is intended to provide exposure to the largest 200 eligible securities that are listed on the ASX by float-adjusted market capitalization. Constituent companies for the AS51 are chosen based on market capitalization, public float and liquidity. All index-eligible securities that have their primary or secondary listing on the ASX are included in the initial selection of stocks from which the 200 index stocks may be selected.

The float-adjusted market capitalization of companies is determined based on the daily average market capitalization over the last six months. The security's price history over the last six months, the latest available shares on issue and the investable weight factor (the "IWF"), are the factors relevant to the calculation of daily average market capitalization. The IWF is a variable that is primarily used to determine the available float of a security for ASX listed securities.

Information regarding the AS51 may be found on S&P's website. That information is updated from time to time on that website. Please note that information included in that website is not included or incorporated by reference in this document.

#### **Number of Shares**

When considering the index eligibility of securities for inclusion or promotion into S&P/ASX indices, the number of index securities under consideration is based upon the latest available ASX quoted securities. For domestic securities (companies incorporated in Australia and traded on the ASX, companies incorporated overseas but exclusively listed on the ASX and companies incorporated overseas and traded on other markets but most of its trading activity is on the ASX), this figure is purely based upon the latest available data from the ASX.

Foreign-domiciled securities may quote the total number of securities on the ASX that is representative of their global equity capital; whereas other foreign-domiciled securities may quote securities on the ASX on a partial basis that represents their Australian equity capital. In order to overcome this inconsistency, S&P will quote the number of index securities that are represented by CHESS Depositary Interests ("CDIs") for a foreign entity. When CDIs are not issued, S&P will use the total securities held on the Australian register (CHESS and, where supplied, the issuer sponsored register). This quoted number for a foreign entity is representative of the Australian equity capital, thereby allowing the AS51 to be increasingly reflective of the Australian market.

The number of CDIs or shares of a foreign entity quoted on the ASX can experience more volatility than is typically the case for ordinary shares on issue. Therefore, an average number on issue will be applied over a three-month period.

Where CDI information is not supplied to the ASX by the company or the company's share register, estimates for Australian equity capital will be drawn from CHESS data and, ultimately, registry-sourced data.

#### IWF

The index is float-adjusted, meaning that the share counts used in calculating the index reflect only those shares available to investors, rather than all of a company's outstanding shares. S&P seeks to exclude shares held by long-term, strategic shareholders, a group that generally includes the following: officers and directors and related individuals whose holdings are publicly disclosed, private equity, venture capital, special equity firms, asset managers and insurance companies with board of director representation, publicly traded companies that hold shares in another company, holders of restricted shares (except for shares held as part of a lock-up agreement), company-sponsored employee share plans/trusts, defined contribution plans/savings, investment plans, foundations or family trusts associated with the company, government entities at all levels (except government retirement or pension funds), sovereign wealth funds and any individual person listed as a 5% or greater stakeholder in a company as reported in regulatory filings (collectively, "strategic holders"). To this end, S&P excludes all share holdings with a position greater than 5% of the outstanding shares of a company from the float-adjusted share count to be used in index calculations (other than depositary banks, pension funds (including government pension and retirement funds), mutual funds, exchange traded fund providers, investment funds, asset managers (including hedge funds with no board of director representation), investment funds of insurance companies and independent foundations not associated with the company).

The exclusion is accomplished by calculating an investable weight factor (IWF) for each stock that is included in the index as follows:

IWF = (available float shares)/(total shares outstanding)

where available float shares is defined as total shares outstanding less shares held by strategic holders. In most cases, an IWF is reported to the nearest one percentage point. For companies with multiple share class lines, a separate IWF is calculated for each share class line.

Linked to an International Equity Index Basket, due March 25, 2021

A company must have a minimum IWF of 0.3 to be eligible for inclusion in the index; however, an IWF at or above 0.3 is not necessary for ongoing index membership.

IWFs are reviewed annually as part of the September quarterly review. However, any event that alters the float of a security in excess of 5% will be implemented as soon as practicable by an adjustment to the IWF.

#### **Liquidity Test**

Only stocks that are regularly traded are eligible for inclusion. Eligible stocks are considered for index inclusion based on their stock median liquidity (median daily value traded divided by its average float-adjusted market capitalization for the last six months) relative to the market capitalization weighted average of the stock median liquidities of the 500 constituents of the All Ordinaries index, another member of the S&P<sup>®</sup>/ASX index family.

#### **Index Maintenance**

S&P rebalances constituents quarterly to ensure adequate market capitalization and liquidity using the previous six months' data to determine index eligibility. Quarterly review changes take effect the third Friday of March, June, September and December. Eligible stocks are considered for index inclusion based on their float-adjusted market capitalization rank relative to the stated quota of 200 securities. For example, a stock that is currently in the S&P®/ASX 300 and is ranked at 175, based on float-adjusted market capitalization, within the universe of eligible securities may be considered for inclusion into the AS51, provided that liquidity hurdles are met. Stocks that fail the relative liquidity criteria are typically removed from the float-adjusted market capitalization rankings.

In order to limit the level of index turnover, eligible non-constituent securities will generally only be considered for index inclusion once a current constituent stock is excluded due to a sufficiently low rank and/or liquidity, based on the float-adjusted market capitalization. Potential index inclusions and exclusions need to satisfy buffer requirements in terms of the rank of the stock relative to a given index. The buffers are established to limit the level of index turnover that may take place at each quarterly rebalancing.

Between rebalancing dates, an index addition is generally made only if a vacancy is created by an index deletion. Index additions are made according to float-adjusted market capitalization and liquidity. An initial public offering is added to the AS51 only when an appropriate vacancy occurs and is subject to proven liquidity for at least eight weeks. An exception may be made for extraordinary large offerings where sizeable trading volumes justify index inclusion.

Deletions can occur between index rebalancing dates due to acquisitions, mergers and spin-offs or due to suspension or bankruptcies. The decision to remove a stock from the AS51 will be made once there is sufficient evidence that the transaction will be completed. Stocks that are removed due to mergers and acquisitions are removed from the AS51 at the cash offer price for cash-only offers. Otherwise, the best available price in the market is used.

Share numbers for all index constituents are updated quarterly and are rounded to the nearest thousand. The update to the number of issued shares will be considered if the change is at least 5% of the shares outstanding.

Share updates for foreign-domiciled securities will take place at each quarterly rebalancing. Updates to the number of shares outstanding will only take place when the three-month average of CDIs or the Total Securities held in the Australian branch of issuer sponsored register (where supplied) and in CHESS, on the rebalancing reference date, differs by at least 5% from the current shares outstanding. Where CDI information is not supplied to the ASX by the company or the company's share register, estimates for Australian equity capital will be drawn from CHESS data and, ultimately, registry-sourced data.

Intra-quarter share changes are implemented at the effective date or as soon as reliable information is available; however, they will only take place in the following circumstances:

- changes in a company's shares outstanding of 5% or more due to market-wide shares issuance or major off-market buy-backs;
- rights issues, bonus issues and other major corporate actions; and
- share issues resulting from index companies merging.

Share changes due to mergers or acquisitions are implemented when the transaction occurs, even if both of the companies are not in the same index and regardless of the size of the change.

IWFs are reviewed annually as part of the September quarterly review. However, any event that alters the float of a security in excess of 5% will be implemented as soon as practicable by an adjustment to the IWF.

#### Index Calculation

The AS51 is calculated using a base-weighted aggregate methodology. The value of the AS51 on any day for which an index value is published is determined by a fraction, the numerator of which is the aggregate of the price of each stock in the AS51 times the number of shares of such stock included in the AS51 times that stock's IWF, and the denominator of which is the divisor, which is described more fully below.

In order to prevent the value of the AS51 from changing due to corporate actions, all corporate actions may require S&P to make an index or divisor adjustment. This helps maintain the value of the index and ensures that the movement of the AS51 does not reflect the corporate actions of the individual companies that comprise the AS51.

## Market-Linked Step Up Notes

Linked to an International Equity Index Basket, due March 25, 2021

The table below summarizes the types of index adjustments and their consequences under the index methodology:

Corporate Action	Treatment
Company addition/deletion	Addition
	Companies are added at the float market capitalization weight. The net change to the index market capitalization causes a divisor adjustment.
	Deletion
	The weights of all stocks in the index will proportionally change. Relative weights will stay the same. The index divisor will change due to the net change in the index market capitalization.
Change in shares outstanding	Increasing (decreasing) the shares outstanding increases (decreases) the market capitalization of the index. The change to the index market capitalization causes a divisor adjustment.
Split/reverse split	Shares outstanding are adjusted by split ratio. The stock price is adjusted by the split ratio. There is no change to the index market capitalization and no divisor adjustment.
Spin-off	The spin-off is added to the index on the ex-date at a price of zero. The spin-off index shares are based on the spin-off ratio. On the ex-date, the spin-off will have the same attributes as its parent company, and will remain in the index for at least one trading day. As a result, there will be no change to the index divisor on the ex-date.
	If the spin-off is ineligible for continued inclusion, it will be removed after the ex-date. The weight of the spin-off being deleted is reinvested across all the index components proportionally such that the relative weights of all index components are unchanged. The net change in index market capitalization will cause a divisor change.
Change in IWF	Increasing (decreasing) the IWF increases (decreases) the market capitalization of the index. A net change to the index market capitalization causes a divisor adjustment.
Ordinary dividend	When a company pays an ordinary cash dividend, the index does not make any adjustments to the price or shares of the stock. As a result, there are no divisor adjustments to the index.
Special dividend	The stock price is adjusted by the amount of the dividend. The net change to the index market capitalization causes a divisor adjustment.
Rights offering	All rights offerings that are in the money on the ex-date are applied under the assumption the rights are fully subscribed. The stock price is adjusted by the value of the rights and the shares outstanding are increased by the rights ratio. The net change in market capitalization causes a divisor adjustment.

#### Recalculation Policy

S&P reserves the right to recalculate and republish the S&P<sup>®</sup>/ASX 200 Index at its discretion in the event one of the following issues has occurred:

- incorrect or revised closing price of one or more constituent securities;
- missed corporate event;
- incorrect application of corporate action or index methodology;
- late announcement of a corporate event; or
- incorrect calculation or data entry error.

The decision to recalculate the index is made at the discretion of S&P's index manager and/or the S&P's Australian Index Committee (the "ASX Committee"), as further discussed below. The potential market impact or disruption resulting from the potential recalculation is considered when making any such decision. In the event of one of the above events, other than as described in the third bullet, the index manager may, at his or her discretion, recalculate the index without involving the ASX Committee. If such event is discovered beyond the two trading day period, the ASX Committee shall decide whether the index should be recalculated. In the event of an incorrect application of the methodology that results in the incorrect composition and/or weighting of index constituents, the ASX Committee shall determine whether or not to recalculate the index following specified guidelines. If the index is recalculated, it shall be done within a reasonable timeframe following the detection and review of the issue.

Linked to an International Equity Index Basket, due March 25, 2021

The following graph shows the daily historical performance of the AS51 in the period from January 1, 2010 through January 30, 2020. We obtained this historical data from Bloomberg L.P. We have not independently verified the accuracy or completeness of the information obtained from Bloomberg L.P. On the pricing date, the closing level of the AS51 was 7,008.429.



This historical data on the AS51 is not necessarily indicative of the future performance of the AS51 or what the value of the notes may be. Any historical upward or downward trend in the level of the AS51 during any period set forth above is not an indication that the level of the AS51 is more or less likely to increase or decrease at any time over the term of the notes.

Before investing in the notes, you should consult publicly available sources for the levels of the AS51.

#### License Agreement

The S&P<sup>®</sup>/ASX 200 Index is published and maintained by the S&P Australian Index Committee (the "ASX Committee"), a team of representatives from both Standard & Poor's and the Australian Stock Exchange. The S&P<sup>®</sup>/ASX 200 Index is composed of the S&P<sup>®</sup>/ASX 100 stocks plus an additional 100 stocks selected by the ASX Committee. The S&P<sup>®</sup>/ASX 200 Index essentially covers large-cap and mid-cap stocks evaluated for liquidity and size. Additional information concerning the S&P<sup>®</sup>/ASX 200 Index may be obtained from the Australian Stock Exchange website at www.asx.com.au. We are not incorporating by reference the website or any material it includes in this document.

Linked to an International Equity Index Basket, due March 25, 2021

#### The Hang Seng Index

The HSI is reported by Bloomberg L.P. under the ticker symbol "HSI."

The HSI is calculated, maintained and published by HSIL, a wholly owned subsidiary of Hang Seng Bank, in concert with the HSI Advisory Committee and was first developed, calculated and published on November 24, 1969. The HSI is a free float-adjusted market capitalization weighted stock market index that is designed to reflect the performance of the Hong Kong stock market.

Only companies with a primary listing on the main board of the Stock Exchange of Hong Kong ("SEHK") are eligible as constituents of the HSI. Mainland China enterprises that have an H-share listing in Hong Kong will not be eligible for inclusion in the HSI unless the company has no unlisted share capital. In addition, to be eligible for selection, a company: (1) must be among those that constitute the top 90% of the total market value of all primary listed shares on the SEHK (the market value of a company refers to the average of its month-end market capitalizations for the past 12 months); (2) must be among those that constitute the top 90% of the total turnover of all primary listed shares on the SEHK in a sufficient number of measurement sub-periods (turnover is assessed over the last eight quarterly sub-periods: if a company was in the top 90% in any of the most recent four sub-periods, it receives two points; if it was in the top 90% in any of the latter four sub-periods, it receives one point. A company must attain a "score" of eight points to meet the turnover requirement); and (3) should normally have a listing history of 24 months (there are exceptions for companies that have shorter listing histories but large market values and/or high turnover scores). From the many eligible candidates, final selections are based on the following: (1) the market value and turnover rankings of the companies; (2) the representation of the sub-sectors within the HSI directly reflecting that of the market; and (3) the financial performance of the companies.

#### Calculation of the HSI

The calculation methodology of the HSI is a free float-adjusted market capitalization weighting with a 10% cap on individual stocks. Under this calculation methodology, shares held by any entities (excluding custodians, trustees, mutual funds and investment companies) which control more than 5% of shares are excluded for index calculation:

- Strategic holdings (governments and affiliated entities or any other entities which hold substantial shares in the company would be considered as non-freefloat unless otherwise proved);
- *Directors' and management holdings* (directors, members of the board committee, principal officers or founding members);
- Corporate cross holdings (publicly traded companies or private firms / institutions); and
- Lock-up shares (shareholdings with a publicly disclosed lock-up arrangement).

A free float-adjusted factor representing the proportion of shares that is free floated as a percentage of the issued shares, is rounded up to the nearest multiple of 5% for the calculation of the HSI and is updated quarterly.

A cap of 10% on individual stock weightings is applied. A cap factor is calculated quarterly to coincide with the regular update of the free float-adjusted factor. Additional re-capping is performed upon constituent changes.

The formula for the index calculation is shown below:

Current Index =	Current Aggregate Free Float-adjusted Market Capitalization of Constituents Yesterday's Aggregate Free Float-adjusted Market Capitalization of Constituents	x	Yesterday's Closing Index	
= -	$\frac{\sum (P_t \times IS \times FAF \times CF)}{\sum (P_{t-1} \times IS \times FAF \times CF)}$	X	Yesterday's Closing Index	
: current price at day t;				

Pt:

where:

Pt-1: closing price at day t-1;

IS: number of issued shares (in the case of H-share constituents, only the H-share portion is taken into calculation);

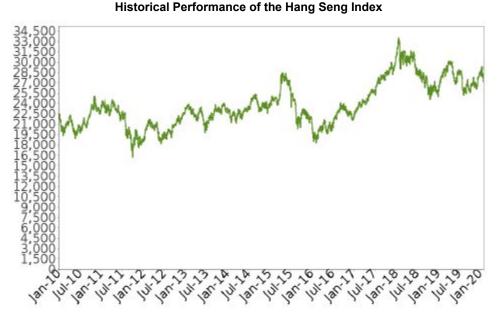
FAF: free float-adjusted factor, which is between 0 and 1; and

CF: cap factor, which is between 0 and 1.

Market-Linked Step Up Notes

Linked to an International Equity Index Basket, due March 25, 2021

The following graph shows the daily historical performance of the HSI in the period from January 1, 2010 through January 30, 2020. We obtained this historical data from Bloomberg L.P. We have not independently verified the accuracy or completeness of the information obtained from Bloomberg L.P. On the pricing date, the closing level of the HSI was 26,449.13.



This historical data on the HSI is not necessarily indicative of the future performance of the HSI or what the value of the notes may be. Any historical upward or downward trend in the level of the HSI during any period set forth above is not an indication that the level of the HSI is more or less likely to increase or decrease at any time over the term of the notes.

Before investing in the notes, you should consult publicly available sources for the levels of the HSI.

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https://www.sec.gov/Archives/edgar/data/1000275/000114036120002131/form424b2.htm

## Market-Linked Step Up Notes

Linked to an International Equity Index Basket, due March 25, 2021

## Supplement to the Plan of Distribution

Under our distribution agreement with BofAS, BofAS will purchase the notes from us as principal at the public offering price indicated on the cover of this term sheet, less the indicated underwriting discount.

MLPF&S will purchase the notes from BofAS for resale, and will receive a selling concession in connection with the sale of the notes in an amount up to the full amount of underwriting discount set forth on the cover of this term sheet.

We will deliver the notes against payment therefor in New York, New York on a date that is greater than two business days following the pricing date. Under Rule 15c6-1 of the Securities Exchange Act of 1934, trades in the secondary market generally are required to settle in two business days, unless the parties to any such trade expressly agree otherwise. Accordingly, purchasers who wish to trade the notes more than two business days prior to the original issue date will be required to specify alternative settlement arrangements to prevent a failed settlement.

The notes will not be listed on any securities exchange. In the original offering of the notes, the notes will be sold in minimum investment amounts of 100 units. If you place an order to purchase the notes, you are consenting to MLPF&S and/or one of its affiliates acting as a principal in effecting the transaction for your account.

MLPF&S and BofAS may repurchase and resell the notes, with repurchases and resales being made at prices related to then-prevailing market prices or at negotiated prices, and these prices will include MLPF&S's and BofAS's trading commissions and mark-ups or mark-downs. MLPF&S and BofAS may act as principal or agent in these market-making transactions; however, neither is obligated to engage in any such transactions. At their discretion, for a short, undetermined initial period after the issuance of the notes, MLPF&S and BofAS may offer to buy the notes in the secondary market at a price that may exceed the initial estimated value of the notes. Any price offered by MLPF&S or BofAS for the notes will be based on then-prevailing market conditions and other considerations, including the performance of the Basket and the remaining term of the notes. However, none of us, MLPF&S, BofAS or any of our respective affiliates is obligated to purchase your notes at any price or at any time, and we cannot assure you that we, MLPF&S, BofAS or any of our respective affiliates will purchase your notes at a price that equals or exceeds the initial estimated value of the notes.

The value of the notes shown on your account statement will be based on BofAS's estimate of the value of the notes if BofAS or another of its affiliates were to make a market in the notes, which it is not obligated to do. That estimate will be based upon the price that BofAS may pay for the notes in light of then-prevailing market conditions and other considerations, as mentioned above, and will include transaction costs. At certain times, this price may be higher than or lower than the initial estimated value of the notes.

The distribution of the Note Prospectus in connection with these offers or sales will be solely for the purpose of providing investors with the description of the terms of the notes that was made available to investors in connection with their initial offering. Secondary market investors should not, and will not be authorized to, rely on the Note Prospectus for information regarding RBC or for any purpose other than that described in the immediately preceding sentence.

An investor's household, as referenced on the cover of this term sheet, will generally include accounts held by any of the following, as determined by MLPF&S in its discretion and acting in good faith based upon information then available to MLPF&S:

- the investor's spouse (including a domestic partner), siblings, parents, grandparents, spouse's parents, children and grandchildren, but excluding accounts held by aunts, uncles, cousins, nieces, nephews or any other family relationship not directly above or below the individual investor;
- a family investment vehicle, including foundations, limited partnerships and personal holding companies, but only if the beneficial owners of the vehicle consist solely of the investor or members of the investor's household as described above; and
- a trust where the grantors and/or beneficiaries of the trust consist solely of the investor or members of the investor's household
  as described above; provided that, purchases of the notes by a trust generally cannot be aggregated together with any
  purchases made by a trustee's personal account.

Purchases in retirement accounts will not be considered part of the same household as an individual investor's personal or other nonretirement account, except for individual retirement accounts ("IRAs"), simplified employee pension plans ("SEPs"), savings incentive match plan for employees ("SIMPLEs"), and single-participant or owners only accounts (i.e., retirement accounts held by self-employed individuals, business owners or partners with no employees other than their spouses).

Please contact your Merrill financial advisor if you have any questions about the application of these provisions to your specific circumstances or think you are eligible.

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## Structuring the Notes

The notes are our debt securities, the return on which is linked to the performance of the Basket. As is the case for all of our debt securities, including our market-linked notes, the economic terms of the notes reflect our actual or perceived creditworthiness at the time of pricing. In addition, because market-linked notes result in increased operational, funding and liability management costs to us, we typically borrow the funds under these notes at a rate that is more favorable to us than the rate which we refer to as our internal funding rate, which is the rate that we might pay for a conventional fixed or floating rate debt security. This generally relatively lower internal funding rate, which is reflected in the economic terms of the notes, along with the fees and charges associated with market-linked notes, resulted in the initial estimated value of the notes on the pricing date being less than their public offering price.

At maturity, we are required to pay the Redemption Amount to holders of the notes, which will be calculated based on the \$10 per unit principal amount and will depend on the performance of the Basket. In order to meet these payment obligations, at the time we issue the notes, we may choose to enter into certain hedging arrangements (which may include call options, put options or other derivatives) with BofAS or one of its affiliates. The terms of these hedging arrangements are determined by seeking bids from market participants, including MLPF&S, BofAS and its affiliates, and take into account a number of factors, including our creditworthiness, interest rate movements, the volatility of the Basket Components, the tenor of the notes and the tenor of the hedging arrangements. The economic terms of the notes and their initial estimated value depend in part on the terms of these hedging arrangements.

BofAS has advised us that the hedging arrangements will include a hedging related charge of approximately \$0.075 per unit, reflecting an estimated profit to be credited to BofAS from these transactions. Since hedging entails risk and may be influenced by unpredictable market forces, additional profits and losses from these hedging arrangements may be realized by BofAS or any third party hedge providers.

For further information, see "Risk Factors—General Risks Relating to the Notes" beginning on page PS-7 and "Use of Proceeds and Hedging" on page PS-16 of product supplement EQUITY INDICES SUN-1.

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## Summary of Canadian Federal Income Tax Consequences

For a discussion of the material Canadian federal income tax consequences relating to an investment in the notes, please see the section entitled "Tax Consequences—Canadian Taxation" in the prospectus dated September 7, 2018.

## Summary of U.S. Federal Income Tax Consequences

You should consider the U.S. federal income tax consequences of an investment in the notes, including the following:

- There is no statutory, judicial, or administrative authority directly addressing the characterization of the notes.
- You agree with us (in the absence of a statutory, regulatory, administrative, or judicial ruling to the contrary) to characterize and treat the notes for all tax purposes as pre-paid cash-settled derivative contracts in respect of the Basket.
- Under this characterization and tax treatment of the notes, a U.S. holder (as defined on page 41 of the prospectus) generally
  will recognize capital gain or loss upon the sale or maturity of the notes. This capital gain or loss generally will be long-term
  capital gain or loss if you held the notes for more than one year.
- No assurance can be given that the Internal Revenue Service or any court will agree with this characterization and tax treatment.
- Under current Internal Revenue Service guidance, withholding on "dividend equivalent" payments (as discussed in the accompanying product supplement), if any, will not apply to notes that are issued as of the date of this pricing supplement unless such notes are "delta-one" instruments. The discussion in the accompanying product supplement is modified to reflect recent Internal Revenue Service guidance, which states that the U.S. Treasury Department and the Internal Revenue Service intend to amend the effective dates of the U.S. Treasury Department regulations to provide that withholding on dividend equivalent payments will not apply to specified equity-linked instruments that are not delta-one instruments and that are issued before January 1, 2023.

You should consult your own tax advisor concerning the U.S. federal income tax consequences to you of acquiring, owning, and disposing of the notes, as well as any tax consequences arising under the laws of any state, local, foreign, or other tax jurisdiction and the possible effects of changes in U.S. federal or other tax laws. You should review carefully the discussion under the section entitled "U.S. Federal Income Tax Summary" beginning on page PS-33 of product supplement EQUITY INDICES SUN-1.

## Validity of the Notes

In the opinion of Norton Rose Fulbright Canada LLP, the issue and sale of the notes has been duly authorized by all necessary corporate action of RBC in conformity with the Indenture, and when the notes have been duly executed, authenticated and issued in accordance with the Indenture and delivered against payment therefor, the notes will be validly issued and, to the extent validity of the notes is a matter governed by the laws of the Province of Ontario or Québec, or the laws of Canada applicable therein, and will be valid obligations of RBC, subject to equitable remedies which may only be granted at the discretion of a court of competent authority, subject to applicable bankruptcy, to rights to indemnity and contribution under the notes or the Indenture which may be limited by applicable law, to insolvency and other laws of general application affecting creditors' rights, to limitations under applicable limitations statutes and subject to limitations as to the currency in which judgments in Canada may be rendered, as prescribed by the Currency Act (Canada). This opinion is given as of the date hereof and is limited to the laws of the Provinces of Ontario and Québec and the federal laws of Canada applicable thereto. In addition, this opinion is subject to customary assumptions about the Trustee's authorization, execution and delivery of the Indenture and the genuineness of signatures and certain factual matters, all as stated in the letter of such counsel dated September 7, 2018, which has been filed as Exhibit 5.1 to RBC's Form 6-K filed with the SEC dated September 7, 2018.

In the opinion of Morrison & Foerster LLP, when the notes have been duly completed in accordance with the Indenture and issued and sold as contemplated by the prospectus supplement and the prospectus, the notes will be valid, binding and enforceable obligations of RBC, entitled to the benefits of the Indenture, subject to applicable bankruptcy, insolvency and similar laws affecting creditors' rights generally, concepts of reasonableness and equitable principles of general applicability (including, without limitation, concepts of good faith, fair dealing and the lack of bad faith). This opinion is given as of the date hereof and is limited to the laws of the State of New York. This opinion is subject to customary assumptions about the Trustee's authorization, execution and delivery of the Indenture and the genuineness of signatures and to such counsel's reliance on RBC and other sources as to certain factual matters, all as stated in the legal opinion dated September 7, 2018, which has been filed as Exhibit 5.2 to RBC's Form 6-K dated September 7, 2018.

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## Terms Incorporated in Master Global Security

The terms appearing under the captions "Summary—Terms of the Notes" and "Summary—Redemption Amount Determination" on page TS-2 above, the pricing date, settlement date and maturity date appearing on the cover page, and the applicable terms included in the documents listed under "Summary" on page TS-2 are incorporated into the master global security that represents the notes and is held by The Depository Trust Company.

## Where You Can Find More Information

We have filed a registration statement (including a product supplement, a prospectus supplement, and a prospectus) with the SEC for the offering to which this term sheet relates. Before you invest, you should read the Note Prospectus, including this term sheet, and the other documents that we have filed with the SEC, for more complete information about us and this offering. You may get these documents without cost by visiting EDGAR on the SEC website at www.sec.gov. Alternatively, we, any agent, or any dealer participating in this offering will arrange to send you these documents if you so request by calling MLPF&S or BofAS toll-free at 1-800-294-1322.

Market-Linked Step Up Notes