

TORONTO DOMINION BANK  
Form 424B2  
January 09, 2017

**The information in this pricing supplement is not complete and may be changed. This pricing supplement is not an offer to sell nor does it seek an offer to buy these notes in any jurisdiction where the offer or sale is not permitted.**

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**Registration Statement No. 333-211718**

**Subject to Completion, Dated January 9, 2017.**

The  
Toronto-Dominion  
Bank

\$

Leveraged Capped  
Buffered  
Basket-Linked  
Notes due

**The notes do not bear interest.** The amount that you will be paid on your notes on the maturity date (expected to be the third business day after the valuation date) is based on the performance of an unequally weighted basket of five indices: the EURO STOXX 50<sup>®</sup> Index (37% weighting), the FTSE<sup>®</sup> 100 Index (23% weighting), TOPIX (23% weighting), the Swiss Market Index (9% weighting), and the S&P/ASX 200 Index (8% weighting), as measured from the pricing date to and including the valuation date (expected to be between 24 and 27 months after the pricing date).

If the final basket level on the valuation date is greater than the initial basket level, the return on your notes will be positive, subject to the maximum payment amount (expected to be between \$1,327.60 and \$1,385.20 for each \$1,000 principal amount of your notes). If the final basket level declines by up to 10% from the initial basket level, you will receive the principal amount of your notes. **If the final basket level declines by more than 10% from the initial basket level, the return on your notes will be negative and, despite the inclusion of the buffer level, due to the downside multiplier you may lose your entire principal amount.**

The initial basket level is 100 and the final basket level will equal (i) 100 *times* (ii) the *sum* of 1 *plus*, as calculated for each basket component, (a) the percentage change of each basket component from the pricing date to the valuation date *multiplied by* (b) its weighting in the basket.

To determine your payment at maturity, we will calculate the percentage change of the basket, which is the percentage increase or decrease in the final basket level from the initial basket level. At maturity, for each \$1,000 principal amount of your notes, you will receive an amount in cash equal to:

if the percentage change is positive (the final basket level is greater than the initial basket level), the *sum* of (i) \$1,000 *plus* (ii) the product of (a) \$1,000 *times* (b) 150.00% *times* (c) the percentage change, subject to the maximum

payment amount;

if the percentage change is zero or negative but not below -10% (the final basket level is equal to the initial basket level or is less than the initial basket level, but not by more than 10%), \$1,000; or

if the percentage change is negative and is below -10% (the final basket level is less than the initial basket level by more than 10%), the *sum* of (i) \$1,000 *plus* (ii) the product of (a) \$1,000 *times* (b) approximately 111.11% *times* (c) the *sum* of the percentage change *plus* 10%.

**Decreases in the levels of the basket components may offset increases in the levels of other basket components. The performance of the basket components with the higher weightings will have a larger impact on your return on the notes. The notes do not guarantee the return of principal at maturity.**

The notes are unsecured 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 or instrumentality. Any payments on the notes are subject to our credit risk. The notes will not be listed on any exchange.

**You should read the disclosure herein to better understand the terms and risks of your investment. See “Additional Risk Factors” on page P-8 of this pricing supplement.**

**Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined that this pricing supplement, the product prospectus supplement or the prospectus is truthful or complete. Any representation to the contrary is a criminal offense.**

**The estimated value of your notes at the time the terms of your notes are set on the pricing date is expected to be between \$960.00 and \$980.00 per \$1,000 principal amount. For a discussion of the estimated value and the price at which Goldman, Sachs & Co. would initially buy or sell your notes, if it makes a market in the notes (which it is not obligated to do), see “Additional Information Regarding Estimated Value of the Notes” on page P-2 of this pricing supplement.**

	Public Offering Price	Underwriting Discount	Proceeds to TD
Per Note \$1,000.00		\$17.50	\$982.50
Total \$		\$	\$

TD Securities (USA) LLC Goldman, Sachs & Co.  
Agent

The public offering price, underwriting discount and proceeds to TD listed above relate to the notes we issue initially. We may decide to sell additional notes after the date of the final pricing supplement, at public offering prices and with underwriting discounts and proceeds to TD that differ from the amounts set forth above. The return (whether positive or negative) on your investment in the notes will depend in part on the public offering price you pay for such notes.

We or Goldman, Sachs & Co. (GS&Co.), or any of our or their respective affiliates, may use this pricing supplement in the initial sale of the notes. In addition, we or GS&Co. or any of our or their respective affiliates may use this pricing supplement in a market-making transaction in a note after its initial sale. **Unless we or GS&Co., or any of our or their respective affiliates, informs the purchaser otherwise in the confirmation of sale, this pricing supplement will be used in a market-making transaction.**

#### Additional Information Regarding Estimated Value of the Notes

**The estimated value of your notes at the time the terms of your notes are set on the Pricing Date is expected to be between \$960.00 and \$980.00 per \$1,000 principal amount, which is less than the public offering price of your notes.** The pricing models used to determine the estimated value consider certain variables, including principally our credit spreads, interest rates (forecasted, current and historical rates), volatility, price-sensitivity analysis and the time to maturity of the notes. The difference between the estimated value of your notes and the public offering price is a result of certain factors, including principally the underwriting discount and commissions, the expenses incurred in creating, documenting and marketing the notes, and an estimate of the difference between the amounts we pay to GS&Co. or an affiliate and the amounts GS&Co. or an affiliate pays to us in connection with your notes, as described further under “Supplemental Plan of Distribution (Conflicts of Interest)” on page P-50. We pay to GS&Co. or an affiliate amounts based on what we would pay to holders of a non-structured note with a similar maturity. In return for such payment, GS&Co. or an affiliate pays to us the amounts we owe under your notes.

The price at which GS&Co. will make a market in the notes (if it makes a market, which it is not obligated to do), and the value of your notes shown on your account statement, will be based on pricing models and variables similar to those used in determining the estimated value on the Pricing Date. The value of your notes at any time will reflect many factors and cannot be predicted; however, the price (not including GS&Co.’s customary bid and ask spreads) at which GS&Co. would initially buy or sell notes (if it makes a market, which it is not obligated to do) and the value that GS&Co. will initially use for account statements and otherwise is equal to approximately \$[ ] per \$1,000 principal amount, which exceeds the estimated value of your notes on the Pricing Date. The amount of the excess will decline on a straight line basis over the period from the Pricing Date through approximately 3 months after the Pricing Date.

**We urge you to read the “Additional Risk Factors” beginning on page P-8 of this pricing supplement.**

Summary

The information in this “Summary” section is qualified by the more detailed information set forth in this pricing supplement, the product prospectus supplement and the prospectus.

Issuer: The Toronto-Dominion Bank (“TD”)  
 Issue: Senior Debt Securities  
 Type of Note: Leveraged Capped Buffered Basket-Linked Notes (the “Notes”)  
 Term: Expected to be between 24 and 27 months  
 Basket: An unequally weighted basket consisting of the following indices (each, a “Basket Component”):

Basket Component	Bloomberg Ticker	Component Weighting	Initial Index Level*
The EURO STOXX 50® Index	SX5E	37%	
The FTSE® 100 Index	UKX	23%	
TOPIX	TPX	23%	
The Swiss Market Index	SMI	9%	
The S&P/ASX 200 Index	AS51	8%	

\* With respect to each Basket Component, its Closing Level on the Pricing Date.

CUSIP / ISIN: 89114QZC5 / US89114QZC58

Agents: TD Securities (USA) LLC (“TDS”) and Goldman, Sachs & Co. (“GS&Co.”)

Currency: U.S. Dollars

Minimum Investment: \$1,000 and minimum denominations of \$1,000 in excess thereof

Principal Amount: \$1,000 per Note; \$ in the aggregate for all the offered Notes; the aggregate principal amount of the offered Notes may be increased if the Issuer, at its sole option, decides to sell an additional amount of the offered Notes on a date subsequent to the date of the final pricing supplement.

Pricing Date: [ ]

Issue Date: Expected to be five Business Days following the Pricing Date

Valuation Date: Expected to be between 24 and 27 months after the Pricing Date, subject to postponement for market and other disruptions, as described in “— Final Index Levels” below.

Maturity Date: Expected to be three Business Days following the Valuation Date, subject to postponement for market and other disruptions, as described under “General Terms of the Notes — Maturity Date” on page PS-18 in the product prospectus supplement and in “— Final Index Levels” below.

For each \$1,000 principal amount of the Notes, we will pay you on the Maturity Date an amount in cash equal to:

if the Final Basket Level is *greater than* or *equal to* the Cap Level, the Maximum Payment Amount;

if the Final Basket Level is *greater than* the Initial Basket Level but *less than* the Cap Level, the sum of (i) \$1,000 *plus* (ii) the *product* of (a) \$1,000 *times* (b) the Leverage Factor *times* (c) the Percentage Change;

Payment at  
Maturity:

if the Final Basket Level is *equal to* or *less than* the Initial Basket Level but *greater than* or *equal to* the Buffer Level, \$1,000; or

if the Final Basket Level is *less than* the Buffer Level, the sum of (i) \$1,000 *plus* (ii) the *product* of (a) \$1,000 *times* (b) the Downside Multiplier *times* (c) the sum of the Percentage Change *plus* the Buffer Percentage

**If the Final Basket Level is less than the Buffer Level, the investor will receive less than the principal amount of the Notes at maturity and may lose their entire principal amount.**

**Leverage  
Factor:**

150.00%

**Cap Level:**

Expected to be between 121.84% and 125.68% of the Initial Basket Level (to be determined on the Pricing Date)

**Buffer  
Percentage:**

10.00%

**Buffer Level:**

90.00% of the Initial Basket Level

**Downside  
Multiplier:**

The quotient of the Initial Basket Level divided by the Buffer Level, which equals approximately 111.11%

**Maximum  
Payment  
Amount:**

Between \$1,327.60 and \$1,385.20 per \$1,000 principal amount of the Notes (132.76% – 138.52% of the principal amount of the Notes). As a result of the Maximum Payment Amount, the maximum return at maturity of the Notes will be between 32.76% and 38.52% of the principal amount of the Notes. The actual Maximum Payment Amount will be determined on the Pricing Date.

**Percentage  
Change:**

The quotient of (1) the Final Basket Level minus the Initial Basket Level divided by (2) the Initial Basket Level, expressed as a percentage.

**Initial Basket  
Level:**

To be set to 100 on the Pricing Date.

**Final Basket  
Level:**

$100 \times [1 + (\text{the sum of the products of the Basket Component Return for each Basket Component multiplied by its Component Weighting})]$

With respect to each Basket Component:

**Basket  
Component  
Return:**

Final Index Level - Initial Index Level

Initial Index Level

**Initial Index  
Level:**

With respect to each Basket Component, its Closing Level on the Pricing Date.



With respect to each Basket Component, its Closing Level on the Valuation Date, subject to adjustment as provided under “General Terms of the Notes — Unavailability of the Level of the Reference Asset” beginning on page PS-18 of the accompanying product prospectus supplement.

If the originally scheduled Valuation Date is not a Trading Day with respect to a Basket Component or a market disruption event with respect to a Basket Component occurs or is continuing on the originally scheduled Valuation Date, the Final Index Level for that Basket Component will be its Closing Level on the first Trading Day for such Basket Component following the originally scheduled Valuation Date on which the calculation agent determines that a market disruption event does not occur or is not continuing. If a market disruption event with respect to such Basket Component occurs or is continuing on each Trading Day to and including the tenth scheduled Trading Day following the originally scheduled Valuation Date, or if there are no Trading Days for a period of 10 scheduled Trading Days, the Final Index Level for that Basket Component will be determined (or, if not determinable, estimated by the Calculation Agent in a manner which is considered commercially reasonable under the circumstances) by the Calculation Agent on that tenth scheduled Trading Day, regardless of whether such day is a Trading Day or the occurrence or continuation of a market disruption event on that day. For the avoidance of doubt, if the originally scheduled Valuation Date is a Trading Day and no market disruption event exists on that day with respect to a Basket Component, the determination of that Basket Component’s Final Index Level will be made on the originally scheduled Valuation Date, irrespective of the non-Trading Day status or the existence of a market disruption event with respect to any other Basket Component. For the definition of a market disruption event, see “General Terms of the Notes — Market Disruption Events” beginning on page PS-19 of the product prospectus supplement. If the originally scheduled Valuation Date is postponed due to a non-Trading Day or a market disruption event for any Basket Component, the Maturity Date will be postponed to the third Business Day after the postponed Valuation Date.

**Final  
Index  
Level:**

With respect to each Basket Component, its Closing Level will be the official closing level of that Basket Component or any successor index (as defined in the product prospectus supplement) published by the Index Sponsor (as defined in the product prospectus supplement) on any Trading Day for that Basket Component.

**Closing  
Level:**

Any day that is a Monday, Tuesday, Wednesday, Thursday or Friday that is neither a legal holiday nor a day on which banking institutions are authorized or required by law to close in New York City or Toronto.

**Business  
Day:**

A Trading Day with respect to a Basket Component means a day on which:

(A) 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 TOPIX), the SIX Swiss Exchange (as to the Swiss Market Index), or the Australian Stock Exchange (as to the S&P/ASX 200 Index) (or any successor to the foregoing exchanges), as applicable, is open for trading; and

**Trading  
Day:**

(B) that Basket Component or its successor thereto is calculated and published.

By purchasing a Note, each holder agrees, in the absence of a statutory, regulatory, administrative or judicial ruling to the contrary, to characterize the Notes, for U.S. federal income tax purposes, as pre-paid derivative contracts with respect to the Basket. Based on certain factual representations received from us, in the opinion of our special U.S. tax counsel, Cadwalader, Wickersham & Taft LLP, it is reasonable to treat the Notes in the manner described above. However, because there is no authority that specifically addresses the tax treatment of the Notes, it is possible that your Notes could alternatively be treated for tax purposes as a single contingent payment debt instrument, or pursuant to some other characterization, such that the timing and character of your income from the Notes could differ materially from the treatment

**U.S. Tax  
Treatment:**

described above. Please see the discussion below under “Supplemental Discussion of U.S. Federal Income Tax Consequences”.

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Canadian Tax Treatment: Please see the discussion in the product prospectus supplement under “Supplemental Discussion of Canadian Tax Consequences,” which applies to the Notes.

Calculation Agent: TD

Listing: The Notes will not be listed on any securities exchange.

Clearance and Settlement: DTC global (including through its indirect participants Euroclear and Clearstream, Luxembourg) as described under “Forms of the Debt Securities” and “Book-Entry Procedures and Settlement” in the prospectus.

*The Pricing Date, the Issue Date, the Valuation Date and the Maturity Date are subject to change. These dates will be set forth in the final pricing supplement that will be made available in connection with sales of the Notes.*

Additional Terms of Your Notes

You should read this pricing supplement together with the prospectus, as supplemented by the product prospectus supplement, relating to our Senior Debt Securities, of which these Notes are a part. Capitalized terms used but not defined in this pricing supplement will have the meanings given to them in the product prospectus supplement. In the event of any conflict the following hierarchy will govern: first, this pricing supplement; second, the product prospectus supplement; and last, the prospectus. ***The Notes vary from the terms described in the product prospectus supplement in several important ways. You should read this pricing supplement carefully.***

This pricing supplement, together with the documents listed below, contains the terms of the Notes and supersedes all prior or contemporaneous oral statements as well as any other written materials including preliminary or indicative pricing terms, correspondence, trade ideas, structures for implementation, sample structures, brochures or other educational materials of ours. You should carefully consider, among other things, the matters set forth in “Additional Risk Factors” beginning on page P-8 of this pricing supplement, “Additional Risk Factors Specific to the Notes” beginning on page PS-5 of the product prospectus supplement and “Risk Factors” on page 1 of the prospectus, as the Notes involve risks not associated with conventional debt securities. We urge you to consult your investment, legal, tax, accounting and other advisors before you invest in the Notes. You may access these documents on the Securities and Exchange Commission (the “SEC”) website at [www.sec.gov](http://www.sec.gov) as follows (or if that address has changed, by reviewing our filings for the relevant date on the SEC website):

§ Prospectus dated June 30, 2016:  
<https://www.sec.gov/Archives/edgar/data/947263/000119312516638441/d162493d424b3.htm>

§ Product Prospectus Supplement MLN-EI-1 dated June 30, 2016:  
[https://www.sec.gov/Archives/edgar/data/947263/000089109216015847/e70323\\_424b2.htm](https://www.sec.gov/Archives/edgar/data/947263/000089109216015847/e70323_424b2.htm)

Our Central Index Key, or CIK, on the SEC website is 0000947263. As used in this pricing supplement, the “Bank,” “we,” “us,” or “our” refers to The Toronto-Dominion Bank and its subsidiaries. Alternatively, The Toronto-Dominion Bank, any agent or any dealer participating in this offering will arrange to send you the product prospectus supplement and the prospectus if you so request by calling 1-855-303-3234.

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### **Additional Risk Factors**

The Notes involve risks not associated with an investment in conventional debt securities. This section describes the most significant risks relating to the terms of the Notes. For additional information as to these risks, please see “Additional Risk Factors Specific to the Notes” beginning on page PS-5 in the product prospectus supplement and “Risk Factors” on page 1 in the prospectus.

You should carefully consider whether the Notes are suited to your particular circumstances before you decide to purchase them. Accordingly, prospective investors should consult their investment, legal, tax, accounting and other advisors as to the risks entailed by an investment in the Notes and the suitability of the Notes in light of their particular circumstances.

### **Principal at Risk.**

Investors in the Notes could lose their entire principal amount if there is a decline in the level of the Basket by more than the Buffer Percentage. If the Final Basket Level is less than the Initial Basket Level by more than 10%, you will lose a portion of each \$1,000 principal amount equal to the Downside Multiplier multiplied by the sum of the negative Percentage Change plus the Buffer Percentage times \$1,000. Specifically, you will lose approximately 1.1111% of the principal amount of each of your Notes for every 1% that the Final Basket Level is less than the Initial Basket Level in excess of the Buffer Percentage and you may lose your entire principal amount.

### **The Notes Do Not Pay Interest and Your Return on the Notes May Be Less Than the Return on Conventional Debt Securities of Comparable Maturity.**

There will be no periodic interest payments on the Notes as there would be on a conventional fixed-rate or floating-rate debt security having the same term. The return that you will receive on the Notes, which could be negative, may be less than the return you could earn on other investments. Even if your return is positive, your return may be less than the return you would earn if you bought a conventional senior interest bearing debt security of TD.

### **Your Potential Return on the Notes Is Limited by the Maximum Payment Amount and May Be Less Than the Return on a Direct Investment In the Basket Components.**

The opportunity to participate in the possible increases in the level of the Basket through an investment in the Notes will be limited because the Payment at Maturity will not exceed the Maximum Payment Amount. Furthermore, the effect of the Leverage Factor will not be taken into account for any Final Basket Level exceeding the Cap Level no matter how much the level of the Basket may rise above the Cap Level. Accordingly, your return on the Notes may be less than your return would be if you made an investment in a security directly linked to the performance of the Basket Components.

### **Changes in the Level of One Basket Component May Be Offset by Changes in the Level of the Other Basket Components.**

A change in the level of one Basket Component may not correlate with changes in the levels of the other Basket Components. The level of one or more Basket Components may increase while the level of one or more other Basket Components may not increase as much, or may even decrease. Therefore, in determining the level of the Basket as of any time, increases in the level of one Basket Component may be moderated, or wholly offset, by lesser increases or decreases in the level of one or more other Basket Components. Because the weightings of the Basket Components are not equal, the performances of the EURO STOXX 50<sup>®</sup> Index, the FTSE<sup>®</sup> 100 Index and TOPIX will have a significantly larger impact on your return on the Notes than the performance of the Swiss Market Index or the

S&P/ASX 200 Index.

**Investors Are Subject to TD's Credit Risk, and TD's Credit Ratings and Credit Spreads May Adversely Affect the Market Value of the Notes.**

Although the return on the Notes will be based on the performance of the Basket, the payment of any amount due on the Notes is subject to TD's credit risk. The Notes are TD's unsecured debt obligations. Investors are dependent on TD's ability to pay all amounts due on the Notes on the Maturity Date and, therefore, investors are subject to the credit risk of TD and to changes in the market's view of TD's creditworthiness. Any decrease in TD's credit ratings or increase in the credit spreads charged by the market for taking TD's credit risk is likely to adversely affect the market value of the Notes.

**The Agent Discount, Offering Expenses and Certain Hedging Costs Are Likely to Adversely Affect Secondary Market Prices.**

Assuming no changes in market conditions or any other relevant factors, the price, if any, at which you may be able to sell the Notes will likely be lower than the public offering price. The public offering price includes, and any price quoted to you is likely to exclude, the underwriting discount paid in connection with the initial distribution, offering expenses as well as the cost of hedging our obligations under the Notes. In addition, any such price is also likely to reflect dealer discounts, mark-ups and other transaction costs, such as a discount to account for costs associated with establishing or unwinding

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any related hedge transaction. In addition, if the dealer from which you purchase Notes, or one of its affiliates, is to conduct hedging activities for us in connection with the Notes, that dealer, or one of its affiliates, may profit in connection with such hedging activities and such profit, if any, will be in addition to the compensation that the dealer receives for the sale of the Notes to you. You should be aware that the potential for the dealer or one of its affiliates to earn fees in connection with hedging activities may create a further incentive for the dealer to sell the Notes to you in addition to the compensation they would receive for the sale of the Notes.

**There May Not Be an Active Trading Market for the Notes — Sales in the Secondary Market May Result in Significant Losses.**

There may be little or no secondary market for the Notes. The Notes will not be listed on any securities exchange. TDS, GS&Co. and our or their respective affiliates may make a market for the Notes; however, they are not required to do so. TDS, GS&Co. and our or their respective affiliates may stop any market-making activities at any time. Even if a secondary market for the Notes develops, it may not provide significant liquidity or trade at prices advantageous to you. We expect that transaction costs in any secondary market would be high. As a result, the difference between bid and ask prices for your Notes in any secondary market could be substantial.

If you sell your Notes before the Maturity Date, you may have to do so at a substantial discount from the public offering price irrespective of the levels of the Basket Components and, as a result, you may suffer substantial losses.

**If the Level of the Basket Components Change, the Market Value of Your Notes May Not Change in the Same Manner.**

Your Notes may trade quite differently from the performance of the Basket Components. Changes in the levels of the Basket Components may not result in a comparable change in the market value of your Notes. Even if the levels of the Basket Components increase above the Initial Index Levels during the life of the Notes, the market value of your Notes may not increase by the same amount and could decline.

**The Payment at Maturity Is Not Linked to the Levels of the Basket Components at Any Time Other than the Valuation Date.**

The Final Basket Level will be based on the Closing Levels of the Basket Components on the Valuation Date (subject to adjustment as described elsewhere in this pricing supplement). Therefore, if the Closing Levels of the Basket Components dropped precipitously on the Valuation Date, the Payment at Maturity for your Notes may be significantly less than it would have been had the Payment at Maturity been linked to the Closing Levels of the Basket Components prior to such drop in the levels of the Basket Components. Although the actual levels of the Basket Components on the Maturity Date or at other times during the life of your Notes may be higher than their levels on the Valuation Date, you will only benefit from the Closing Levels of the Basket Components on the Valuation Date.

**We May Sell an Additional Aggregate Principal Amount of the Notes at a Different Public Offering Price.**

At our sole option, we may decide to sell an additional aggregate principal amount of the Notes subsequent to the date of the final pricing supplement. The public offering price of the Notes in the subsequent sale may differ substantially (higher or lower) from the original public offering price you paid as provided on the cover of the final pricing supplement.

**If You Purchase Your Notes at a Premium to Principal Amount, the Return on Your Investment Will Be Lower Than the Return on Notes Purchased at Principal Amount and the Impact of Certain Key Terms of the Notes Will be Negatively Affected.**

The Payment at Maturity will not be adjusted based on the public offering price you pay for the Notes. If you purchase Notes at a price that differs from the principal amount of the Notes, then the return on your investment in such Notes held to the Maturity Date will differ from, and may be substantially less than, the return on Notes purchased at principal amount. If you purchase your Notes at a premium to principal amount and hold them to the Maturity Date, the return on your investment in the Notes will be lower than it would have been had you purchased the Notes at principal amount or a discount to principal amount. In addition, the impact of the Buffer Level and the Cap Level on the return on your investment will depend upon the price you pay for your Notes relative to principal amount. For example, if you purchase your Notes at a premium to principal amount, the Cap Level will only permit a lower positive return on your investment in the Notes than would have been the case for Notes purchased at principal amount or a discount to principal amount. Similarly, the Buffer Level, while still providing some protection for the return on the Notes, will allow a greater percentage decrease in your investment in the Notes than would have been the case for Notes purchased at principal amount or a discount to principal amount.

**You Will Not Have Any Rights to the Securities Included in Any Basket Component.**

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As a holder of the Notes, you will not have voting rights or rights to receive cash dividends or other distributions or other rights that holders of securities included in a Basket Component (the “Basket Component Constituents”) would have. The Final Basket Level will not reflect any dividends paid on any Basket Component Constituents.

**We Have No Affiliation with Any Index Sponsor and Will Not Be Responsible for Any Actions Taken by Any Index Sponsor.**

No Index Sponsor is an affiliate of ours or will be involved in any offerings of the Notes in any way. Consequently, we have no control of any actions of an Index Sponsor, including any actions of the type that would require the Calculation Agent to adjust the Payment at Maturity. No Index Sponsor has any obligation of any sort with respect to the Notes. Thus, no Index Sponsor has any obligation to take your interests into consideration for any reason, including in taking any actions that might affect the value of the Notes. None of our proceeds from any issuance of the Notes will be delivered to any Index Sponsor, except to the extent that we are required to pay an Index Sponsor licensing fees with respect to the relevant Basket Component.

**The Business Activities of the Issuer or its Affiliates or GS&Co. or its Affiliates May Create Conflicts of Interest.**

We, GS&Co. and our or their respective affiliates expect to engage in trading activities related to one or more Basket Components or Basket Component Constituents that are not for the account of holders of the Notes or on their behalf. These trading activities may present a conflict between the holders’ interests in the Notes and the interests we, GS&Co., and our or their respective affiliates will have in their proprietary accounts, in facilitating transactions, including options and other derivatives transactions, for their customers and in accounts under their management. These trading activities, if they influence the level of a Basket Component, could be adverse to the interests of the holders of the Notes. We, GS&Co. and one or more of our or their respective affiliates may, at present or in the future, engage in business with the issuers of the Basket Component Constituents, including making loans to or providing advisory services. These services could include investment banking and merger and acquisition advisory services. These activities may present a conflict between our or one or more of our or their affiliates’ obligations and your interests as a holder of the Notes. Moreover, we, GS&Co. and our or their respective affiliates may have published, and in the future expect to publish, research reports with respect to a Basket Component or any Basket Component Constituents. This research is modified from time to time without notice and may express opinions or provide recommendations that are inconsistent with purchasing or holding the Notes. Even if we or our affiliates or GS&Co. or its affiliates provides research that expresses a negative opinion about one or more of the Basket Components or Basket Component Constituents, or if market conditions in the finance sector or otherwise change, the composition of the Basket will not change during the term of the Notes (except under the limited circumstances described below). Any of these activities by us, GS&Co., or one or more of our or their respective affiliates may affect the level of the Basket, and, therefore, the market value of the Notes.

**Trading Activities by TD, the Agents and Their Respective Affiliates May Adversely Affect the Market Value of the Notes.**

TD, GS&Co. and our or their respective affiliates may hedge our obligations under the Notes by purchasing securities, futures, options or other derivative instruments with returns linked or related to changes in the price of the Basket Components or Basket Component Constituents, and we or they may adjust these hedges by, among other things, purchasing or selling securities, futures, options or other derivative instruments at any time. It is possible that we, GS&Co. or one or more of our or their respective affiliates could receive substantial returns from these hedging activities while the market value of the Notes declines. We, GS&Co. or one or more of our or their respective affiliates may also issue or underwrite other securities or financial or derivative instruments with returns linked or related to changes in the performance of the applicable Basket Components or Basket Component Constituents.

These trading activities may present a conflict between the holders' interest in the Notes and the interests we, GS&Co. and our or their respective affiliates will have in our or their proprietary accounts, in facilitating transactions, including options and other derivatives transactions, for our or their customers' accounts and in accounts under our or their management. These trading activities could be adverse to the interests of the holders of the Notes.

**The Estimated Value of Your Notes at the Time the Terms of Your Notes Are Set on the Pricing Date Will Be Less Than the Public Offering Price of Your Notes.**

The public offering price for your Notes will exceed the estimated value of your Notes at the time the terms of your Notes are set on the Pricing Date. This estimated value is set forth under "Additional Information Regarding Estimated Value of the Notes" on page P-2 of this pricing supplement. As discussed in such section, the pricing models that are used to determine the estimated value of your Notes consider our credit spreads. After the Pricing Date, the estimated value will be affected by changes in market conditions, our creditworthiness and other relevant factors as further described under "Additional Information Regarding Estimated Value of the Notes" on page P-2 of this pricing supplement.



**The Value of the Notes Shown in Your GS&Co. Account Statements and the Price at Which GS&Co. Would Buy or Sell Your Notes (if GS&Co. Makes a Market, Which It is Not Obligated to Do) Will Be Based on the Estimated Value of Your Notes.**

The price at which GS&Co. would initially buy or sell your Notes (if GS&Co. makes a market, which it is not obligated to do), and the value that GS&Co. will initially use for account statements and otherwise, exceeds the estimated value of your Notes as determined by reference to GS&Co.'s pricing models and taking into account TD's credit spreads. As agreed by GS&Co., the amount of this excess will decline on a straight line basis over the period from the date hereof through the applicable date set forth above under "Additional Information Regarding Estimated Value of the Notes" on page P-2 of this pricing supplement. Thereafter, if GS&Co. buys or sells your Notes, it will do so at prices that reflect the estimated value at that time determined by reference to pricing models and taking into account variables similar to those used in determining the estimated value on the Pricing Date. The price at which GS&Co. will buy or sell your Notes at any time also will reflect its then current bid and ask spread for similar sized trades of structured notes.

In estimating the value of your Notes at the time the terms of your Notes are set on the Pricing Date, as disclosed under "Additional Information Regarding Estimated Value of the Notes" on page P-2 of this pricing supplement, the pricing models consider certain variables, including principally TD's credit spreads, interest rates (forecasted, current and historical rates), volatility, price-sensitivity analysis and the time to maturity of the Notes. These pricing models rely in part on certain assumptions about future events, which may prove to be incorrect. As a result, the actual value you would receive if you sold your Notes in the secondary market, if any, to others may differ, perhaps materially, from the estimated value of your Notes determined by reference to GS&Co.'s models due to, among other things, any differences in pricing models or assumptions used by others.

In addition to the factors discussed above, the value and quoted price of your Notes at any time will reflect many factors and cannot be predicted. If GS&Co. makes a market in the Notes, the price quoted by GS&Co. would reflect any changes in market conditions and other relevant factors, including any deterioration in TD's creditworthiness or perceived creditworthiness. These changes may adversely affect the value of your Notes, including the price you may receive for your Notes in any market making transaction. To the extent that GS&Co. makes a market in the Notes, the quoted price will reflect the estimated value determined at that time using pricing models and variables similar to those used in determining the estimated value on the Pricing Date, plus or minus its then current bid and ask spread for similar sized trades of structured notes (and subject to the declining excess amount described above).

Furthermore, if you sell your Notes, you will likely be charged a commission for secondary market transactions, or the price will likely reflect a dealer discount. This commission or discount will further reduce the proceeds you would receive for your Notes in a secondary market sale.

There is no assurance that GS&Co. or any other party will be willing to purchase your Notes at any price and, in this regard, GS&Co. is not obligated to make a market in the Notes. See "—There May Not Be an Active Trading Market for the Notes — Sales in the Secondary Market May Result in Significant Losses" above.

**The Temporary Price at Which GS&Co. May Initially Buy the Notes in the Secondary Market May Not Be Indicative of Future Prices of Your Notes.**

Assuming that all relevant factors remain constant after the Pricing Date, the price at which GS&Co. may initially buy or sell the Notes in the secondary market (if GS&Co. makes a market in the Notes, which it is not obligated to do) may exceed the estimated value of the Notes on the Pricing Date, as well as the secondary market value of the Notes, for a temporary period after the Issue Date of the Notes. The price at which GS&Co. may initially buy or sell the Notes in the secondary market may not be indicative of future prices of your Notes.

**The Market Value of Your Notes May Be Influenced by Many Unpredictable Factors.**

When we refer to the market value of your Notes, we mean the value that you could receive for your Notes if you chose to sell them in the open market before the Maturity Date. A number of factors, many of which are beyond our control, will influence the market value of your Notes, including:

- the levels of the Basket Components;
- the volatility – i.e., the frequency and magnitude of changes – in the level of the Basket;
- the dividend rates, if applicable, of the Basket Component Constituents;
- economic, financial, regulatory and political, military or other events that may affect the prices of any of the Basket Component Constituents and thus the level of the Basket;
- the correlation among the Basket Components;
- interest rate and yield rates in the market;

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the time remaining until your Notes mature;  
fluctuations in the exchange rate between currencies in which the Basket Component Constituents are quoted and traded and the U.S. dollar; and  
our creditworthiness, whether actual or perceived, and including actual or anticipated upgrades or downgrades in our credit ratings or changes in other credit measures.  
These factors will influence the price you will receive if you sell your Notes before maturity, including the price you may receive for your Notes in any market-making transaction. If you sell your Notes prior to maturity, you may receive less than the principal amount of your Notes.

The future levels of the Basket can not be predicted. The actual change in the level of the Basket over the life of the Notes, as well as the Payment at Maturity, may bear little or no relation to the hypothetical historical closing levels of the Basket or to the hypothetical examples shown elsewhere in this pricing supplement.

### **An Investment in the Notes Will Be Subject to Risks Associated with Non-U.S. Securities Markets.**

Each Basket Component includes equity securities that have been issued by non-U.S. companies. An investment in securities linked to the value of non-U.S. equity securities involves particular risks. Non-U.S. securities markets may be more volatile than U.S. securities markets, and market developments may affect non-U.S. securities markets differently from U.S. securities markets. Direct or indirect government intervention to stabilize these non-U.S. securities markets, as well as cross shareholdings among non-U.S. companies, may affect trading prices and volumes in those markets. Also, there is generally less publicly available information in the U.S. about non-U.S. companies than about those U.S. companies that are subject to the reporting requirements of the SEC, and non-U.S. companies are subject to accounting, disclosure, auditing and financial reporting standards and requirements that differ from those applicable to U.S. reporting companies.

Securities prices in non-U.S. countries are subject to political, economic, financial and social factors that may be unique to the particular country. These factors, which could negatively affect non-U.S. securities markets, include the possibility of recent or future changes in the economic and fiscal policies of non-U.S. governments, the possible imposition of, or changes in, currency exchange laws or other non-U.S. laws or restrictions applicable to non-U.S. companies or investments in non-U.S. equity securities, the possibility of fluctuations in the rate of exchange between currencies, the possibility of outbreaks of hostility and political instability and the possibility of natural disaster or adverse public health developments in the region. Moreover, the economies of certain foreign countries may differ favorably or unfavorably from the U.S. economy in important respects, such as growth of gross national product, rate of inflation, trade surpluses or deficits, capital reinvestment, resources and self-sufficiency.

### **The U.K.'s referendum to leave the European Union may adversely affect the performance of the Basket Components.**

Certain Basket Components include equity securities that have been issued by U.K. and/or European Union member companies. The U.K.'s referendum on June 23, 2016 to leave the European Union, which we refer to as "Brexit," has and may continue to cause disruptions to capital and currency markets worldwide and to the markets tracked by those Basket Components in particular. The full impact of the Brexit decision, however, remains uncertain. A process of negotiation, which is likely to take a number of years, will determine the future terms of the U.K.'s relationship with the European Union. The performance of the Basket Components may be negatively affected by interest rate, exchange rate and other market and economic volatility, as well as regulatory and political uncertainty.

**Your Notes Are Linked to Basket Components that are comprised of Basket Component Constituents that Are Traded in Non-U.S. Currencies But Are Not Adjusted to Reflect Their U.S. Dollar Value, Therefore, the Return on Your Notes Will Not Be Adjusted for Changes in Exchange Rates.**

Because your Notes are linked to Basket Components with Basket Component Constituents that are traded in non-U.S. currencies but are not adjusted to reflect their U.S. dollar value, the Payment at Maturity will not be adjusted for changes in the applicable non-U.S. currency/U.S. dollar exchange rates. The Payment at Maturity will be based solely upon the overall change in the level of the Basket Components over the life of your Notes. Changes in exchange rates, however, may reflect changes in the economy of the countries in which the Basket Component Constituents are listed that, in turn, may affect the level of the relevant Basket Component, and therefore the Basket.

**As of the Date of this Pricing Supplement, There is No Actual History for the Closing Levels of the Basket.**

The Payment at Maturity, if any, for each of your Notes is linked to the Percentage Change in the Basket, which will begin to be calculated on the Pricing Date. Since there will be no actual history for the closing levels of the Basket, no actual historical information about the Closing Levels of the Basket will be available for you to consider in making an

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independent investigation of the performance of the Basket, which may make it difficult for you to make an informed decision with respect to an investment in your Notes.

**Hypothetical Past Basket Performance is No Guide to Future Performance.**

The actual performance of the Basket over the life of the Notes, as well as the Payment at Maturity, may bear little relation to the hypothetical historical closing levels of the Basket (when available) or to the hypothetical return examples set forth elsewhere in this pricing supplement. The future performance of the Basket can not be predicted.

**There Are Potential Conflicts of Interest Between You and the Calculation Agent.**

The Calculation Agent will, among other things, determine the amount of your payment on the Notes. We will serve as the Calculation Agent and may appoint a different Calculation Agent after the Issue Date without notice to you. The Calculation Agent will exercise its judgment when performing its functions and may take into consideration our ability to unwind any related hedges. Since this discretion by the Calculation Agent may affect payments on the Notes, the Calculation Agent may have a conflict of interest if it needs to make any such decision. For example, the Calculation Agent may have to determine whether a market disruption event affecting a Basket Component has occurred. This determination may, in turn, depend on the Calculation Agent's judgment whether the event has materially interfered with our ability or the ability of one of our affiliates to unwind our hedge positions. Since this determination by the Calculation Agent will affect the payment on the Notes, the Calculation Agent may have a conflict of interest if it needs to make a determination of this kind. For additional information as to the Calculation Agent's role, see "General Terms of the Notes — Role of Calculation Agent" in the product prospectus supplement.

**Market Disruption Events and Adjustments.**

The Valuation Date, and therefore the Maturity Date, are subject to postponement as described in the product prospectus supplement due to the occurrence of one or more market disruption events. For a description of what constitutes a market disruption event as well as the consequences of that market disruption event, see "General Terms of the Notes—Market Disruption Events" in the product prospectus supplement.

**Significant Aspects of the Tax Treatment of the Notes Are Uncertain.**

Significant aspects of the U.S. tax treatment of the Notes are uncertain. You should consult your tax advisor about your own tax situation and should read carefully the section entitled "Supplemental Discussion of U.S. Federal Income Tax Consequences" below.

For a more complete discussion of the Canadian federal income tax consequences of investing in the Notes, please see the discussion in the product prospectus supplement under "Supplemental Discussion of Canadian Tax Consequences."

If you are not a Non-resident Holder (as that term is defined in the prospectus) or if you acquire the Notes in the secondary market, you should consult your tax advisors as to the consequences of acquiring, holding and disposing of the Notes and receiving the payments that might be due under the Notes.

## Hypothetical Returns

The examples and graph set out below are included for illustration purposes only. They should not be taken as an indication or prediction of future investment results and merely are intended to illustrate the impact that the various hypothetical Basket levels on the Valuation Date could have on the Payment at Maturity assuming all other variables remain constant. The actual terms of the Notes will be set on the Trade Date.

The examples below are based on a range of Final Basket Levels and Final Index Levels that are entirely hypothetical; the Basket level on any day throughout the life of the Notes, including the Final Basket Level on the Valuation Date, cannot be predicted. The Basket Components have been highly volatile in the past — meaning that the levels of the Basket Components have changed considerably in relatively short periods — and the performance of the Basket cannot be predicted for any future period.

The information in the following examples reflects hypothetical rates of return on the offered Notes assuming that they are purchased on the Issue Date at the principal amount and held to the Maturity Date. If you sell your Notes in a secondary market prior to the Maturity Date, your return will depend upon the market value of your Notes at the time of sale, which may be affected by a number of factors that are not reflected in the examples below, such as interest rates, the volatility of the Basket Components and our creditworthiness. In addition, the estimated value of your Notes at the time the terms of your Notes are set on the Pricing Date is less than the original public offering price of your Notes. For more information on the estimated value of your Notes, see “Additional Risk Factors — The Estimated Value of Your Notes at the Time the Terms of Your Notes Are Set on the Pricing Date Will Be Less Than the Public Offering Price of Your Notes” on page P-10 of this pricing supplement. The information in the examples also reflect the key terms and assumptions in the box below.

### Key Terms and Assumptions

Principal Amount	\$1,000
Initial Basket Level	100
Leverage Factor	150.00%
Hypothetical Cap Level	121.84% of the Initial Basket Level
Hypothetical Maximum Payment Amount	\$1,327.60
Buffer Level	90 (90.00% of the Initial Basket Level)
Downside Multiplier	Approximately 111.11%
Buffer Percentage	10%
Neither a market disruption event nor a non-Trading Day occurs with respect to any Basket Component on the originally scheduled Valuation Date	
No change in or affecting any of the Basket Components or the method by which an Index Sponsor calculates the relevant Basket Component	
Notes purchased on the Issue Date at the principal amount and held to the Maturity Date	

Moreover, we have not yet set the Initial Index Levels that will serve as the baseline for determining the Percentage Change, the Cap Level or the Maximum Payment Amount, each of which will affect the amount that we will pay on your Notes, if any, at maturity. We will not do so until the Pricing Date. As a result, the actual Initial Index Levels may differ substantially from the levels of the Basket Components prior to the Pricing Date.

For these reasons the actual performance of the Basket over the life of your Notes, as well as the Payment at Maturity, if any, may bear little relation to the hypothetical examples shown below or to the hypothetical levels of the Basket or the historical levels of the Basket Components shown elsewhere in this pricing supplement. For information about the historical levels of the Basket Components and the hypothetical levels of the Basket during recent periods, see “Information Regarding the Basket Components — Historical Information of the Basket Components” and “Information

Regarding the Basket Components — Hypothetical Information of the Basket” below. Before investing in the offered Notes, you should consult publicly available information to determine the levels of the Basket Components between the date of this pricing supplement and the date of your purchase of the offered Notes.

Also, the hypothetical examples shown below do not take into account the effects of applicable taxes. Because of the U.S. tax treatment applicable to your Notes, tax liabilities could affect the after-tax rate of return on your Notes to a comparatively greater extent than the after-tax return on the Basket Components.

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The levels in the left column of the table below represent hypothetical Final Basket Levels and are expressed as percentages of the Initial Basket Level. The amounts in the right column represent the hypothetical Payment at Maturity, based on the corresponding hypothetical Final Basket Level, and are expressed as percentages of the principal amount of a Note (rounded to the nearest one-thousandth of a percent). Thus, a hypothetical Payment at Maturity of 100.000% means that the value of the cash payment that we would deliver for each \$1,000 of the outstanding principal amount of the offered Notes on the Maturity Date would equal 100.000% of the principal amount of a Note, based on the corresponding hypothetical Final Basket Level and the assumptions noted above.

<b>Hypothetical Final Basket Level</b> <b>(as Percentage of Initial Basket Level)</b>	<b>Hypothetical Payment at Maturity</b> <b>(as Percentage of Principal Amount)</b>
150.000%	132.760%
140.000%	132.760%
130.000%	132.760%
<b>121.840%</b>	<b>132.760%</b>
120.000%	130.000%
110.000%	115.000%
107.000%	110.500%
104.000%	106.000%
102.000%	103.000%
<b>100.000%</b>	<b>100.000%</b>
97.000%	100.000%
95.000%	100.000%
92.000%	100.000%
<b>90.000%</b>	<b>100.000%</b>
75.000%	83.333%
50.000%	55.556%
25.000%	27.778%
<b>0.000%</b>	<b>0.000%</b>

If, for example, the Final Basket Level were determined to be 25.000% of the Initial Basket Level, the Payment at Maturity that we would deliver on your Notes at maturity would be approximately 27.778% of the principal amount of your Notes, as shown in the table above. As a result, if you purchased your Notes on the Issue Date at the principal amount and held them to the Maturity Date, you would lose approximately 72.222% of your investment (if you purchased your Notes at a premium to principal amount you would lose a correspondingly higher percentage of your investment). If the Final Basket Level were determined to be 0.000% of the Initial Basket Level, you would lose 100.000% of your investment in the Notes. In addition, if the Final Basket Level were determined to be 150.000% of the Initial Basket Level, the Payment at Maturity that we would deliver on your Notes at maturity would be capped at the Maximum Payment Amount, or 132.760% of each \$1,000 principal amount of your Notes, as shown in the table above. As a result, if you held your Notes to the Maturity Date, you would not benefit from any increase in the Final Basket Level of greater than 121.840% of the Initial Basket Level.

The following examples illustrate the hypothetical Payment at Maturity for each Note based on hypothetical Final Basket Levels and hypothetical Final Index Levels of the Basket Components, calculated based on the key terms and assumptions above.

The levels in Column A represent hypothetical Initial Index Levels for each Basket Component, and the levels in Column B represent hypothetical Final Index Levels for each Basket Component. The percentages in Column C represent hypothetical Basket Component Returns for each Basket Component. The amounts in Column D represent the applicable weightings of each Basket Component, and the amounts in Column E represent the *products* of the



percentages in Column C *times* the corresponding amounts in Column D. The Final Basket Level for each example is shown beneath each example, and will equal 100 multiplied by the sum of one plus the *sum* of the amounts shown in Column E, and the Percentage Change for each example will equal the *quotient* of (i) the Final Basket Level for such example *minus* the Initial Basket Level *divided* by (ii) the Initial Basket Level, expressed as a percentage. The values below have been rounded for ease of analysis.

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**Example 1: The Final Basket Level is greater than the Cap Level. The Payment at Maturity equals the Maximum Payment Amount.**

	Column A	Column B	Column C	Column D	Column E
Basket Component	Hypothetical Initial Index Level	Hypothetical Final Index Level	Basket Component Return	Component Weighting	Column C x Column D
EURO STOXX 50 <sup>®</sup> Index	3,200.00	4,320.00	35.00%	37.00%	0.1295
FTSE <sup>®</sup> 100 Index	7,100.00	9,585.00	35.00%	23.00%	0.0805
TOPIX	1,500.00	2,025.00	35.00%	23.00%	0.0805
Swiss Market Index	8,200.00	11,070.00	35.00%	9.00%	0.0315
S&P/ASX 200 Index	5,700.000	7,695.000	35.00%	8.00%	0.0280

$$\text{Final Basket Level} = 100 \times [1 + (0.1295 + 0.0805 + 0.0805 + 0.0315 + 0.0280)] = 135.00$$

In this example, all of the hypothetical Final Index Levels for the Basket Components are greater than the applicable hypothetical Initial Index Levels, which results in the hypothetical Final Basket Level being greater than the Initial Basket Level of 100.00. Since the hypothetical Final Basket Level of 135.00 is greater than the hypothetical Cap Level, the hypothetical Payment at Maturity that we would deliver on your Notes would be capped at the Maximum Payment Amount of \$1,327.60 for each \$1,000 Principal Amount of your Notes (i.e. 132.760% of each \$1,000 Principal Amount of your Notes).

**Example 2: The Final Basket Level is greater than the Initial Basket Level but less than the Cap Level.**

	Column A	Column B	Column C	Column D	Column E
Basket Component	Hypothetical Initial Index Level	Hypothetical Final Index Level	Basket Component Return	Component Weighting	Column C x Column D
EURO STOXX 50 <sup>®</sup> Index	3,200.00	3,232.00	1.00%	37.00%	0.0037
FTSE <sup>®</sup> 100 Index	7,100.00	7,242.00	2.00%	23.00%	0.0046
TOPIX	1,500.00	1,545.00	3.00%	23.00%	0.0069
Swiss Market Index	8,200.00	9,840.00	20.00%	9.00%	0.0180
S&P/ASX 200 Index	5,700.000	7,695.000	35.00%	8.00%	0.0280

$$\text{Final Basket Level} = 100 \times [1 + (0.0037 + 0.0046 + 0.0069 + 0.0180 + 0.0280)] = 106.12$$

$$\text{Percentage Change} = (106.12 - 100.00) / 100.00 = 6.12\%$$

In this example, all of the hypothetical Final Index Levels for the Basket Components are greater than the applicable hypothetical Initial Index Levels, which results in the hypothetical Final Basket Level being greater than the Initial

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Basket Level of 100.00. Since the hypothetical Final Basket Level of 106.12 is greater than the Initial Basket Level but less than the Cap Level, the hypothetical Payment at Maturity for each \$1,000 Principal Amount of your Notes will equal:

$$\text{Payment at Maturity} = \$1,000 + (\$1,000 \times 150.00\% \times 6.12\%) = \$1,091.80$$

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**Example 3: The Final Basket Level is less than the Initial Basket Level, but greater than the Buffer Level. The Payment at Maturity equals the \$1,000 Principal Amount.**

	Column A	Column B	Column C	Column D	Column E
Basket Component	Hypothetical Initial Index Level	Hypothetical Final Index Level	Basket Component Return	Component Weighting	Column C x Column D
EURO STOXX 50® Index	3,200.00	3,040.00	-5.00%	37.00%	-0.0185
FTSE® 100 Index	7,100.00	6,745.00	-5.00%	23.00%	-0.0115
TOPIX	1,500.00	1,425.00	-5.00%	23.00%	-0.0115
Swiss Market Index	8,200.00	7,790.00	-5.00%	9.00%	-0.0045
S&P/ASX 200 Index	5,700.000	5,415.000	-5.00%	8.00%	-0.0040

$$\text{Final Basket Level} = 100 \times [1 + (-0.0185 + -0.0115 + -0.0115 + -0.0045 + -0.0040)] = 95.00$$

In this example, all of the hypothetical Final Index Levels for the Basket Components are less than the applicable Initial Index Levels, which results in the hypothetical Final Basket Level being less than the Initial Basket Level of 100.00. Since the hypothetical Final Basket Level of 95.00 is less than the Initial Basket Level but greater than the Buffer Level, the hypothetical Payment at Maturity for each \$1,000 Principal Amount of your Notes will equal the Principal Amount of the Note, or \$1,000.

**Example 4: The Final Basket Level is less than the Buffer Level. The Payment at Maturity is less than the \$1,000 Principal Amount.**

	Column A	Column B	Column C	Column D	Column E
Basket Component	Hypothetical Initial Index Level	Hypothetical Final Index Level	Basket Component Return	Component Weighting	Column C x Column D
EURO STOXX 50® Index	3,200.00	1,600.00	-50.00%	37.00%	-0.1850
FTSE® 100 Index	7,100.00	7,100.00	0.00%	23.00%	0.0000
TOPIX	1,500.00	1,500.00	0.00%	23.00%	0.0000
Swiss Market Index	8,200.00	11,070.00	35.00%	9.00%	0.0315
S&P/ASX 200 Index	5,700.000	7,695.000	35.00%	8.00%	0.0280

$$\text{Final Basket Level} = 100 \times [1 + (-0.1850 + 0.0000 + 0.0000 + 0.0315 + 0.0280)] = 87.45$$

$$\text{Percentage Change} = (87.45 - 100.00) / 100.00 = -12.55\%$$

In this example, the hypothetical Final Index Level of the EURO STOXX 50<sup>®</sup> Index is less than its hypothetical Initial Index Level, while the hypothetical Final Index Levels of the FTSE<sup>®</sup> 100 Index and the TOPIX are equal to their applicable hypothetical Initial Index Levels and the hypothetical Final Index Levels of the Swiss Market Index and the S&P/ASX 200 Index are greater than their applicable Initial Index Levels.

Because the Basket is unequally weighted, increases in the lower weighted Basket Components will be offset by decreases in the more heavily weighted Basket Components. In this example, the large decline in the EURO STOXX 50<sup>®</sup> Index results in the hypothetical Final Basket Level being less than the Buffer Level, even though the FTSE<sup>®</sup> 100 Index and the TOPIX remained flat and the Swiss Market Index and the S&P/ASX 200 Index increased.

Since the hypothetical Final Basket Level of 87.45 is less than the Buffer Level, the hypothetical Payment at Maturity for each \$1,000 Principal Amount of your Notes will equal:

$$\text{Payment at Maturity} = \$1,000 + [\$1,000 \times 111.11\% \times (-12.55\% + 10.00\%)] = \$971.67$$

**Example 5: The Final Basket Level is less than the Buffer Level. The Payment at Maturity is less than the \$1,000 Principal Amount.**

	Column A Column B		Column C	Column D	Column E
Basket Component	Hypothetical Initial Index Level	Hypothetical Final Index Level	Basket Component Return	Component Weighting	Column C x Column D
EURO STOXX 50® Index	3,200.00	1,600.00	-50.00%	37.00%	-0.1850
FTSE® 100 Index	7,100.00	4,260.00	-40.00%	23.00%	-0.0920
TOPIX	1,500.00	900.00	-40.00%	23.00%	-0.0920
Swiss Market Index	8,200.00	5,330.00	-35.00%	9.00%	-0.0315
S&P/ASX 200 Index	5,700.000	3,135.00	-45.00%	8.00%	-0.0360

Final Basket Level =  $100 \times [1 + (-0.1850 + -0.0920 + -0.0920 + -0.0315 + -0.0360)] = 56.35$

Percentage Change =  $(56.35 - 100.00) / 100.00 = -43.65\%$

In this example, the hypothetical Final Index Levels for all of the Basket Components are less than the applicable hypothetical Initial Index Levels, which results in the hypothetical Final Basket Level being less than the Initial Basket Level of 100.00. Since the hypothetical Final Basket Level of 56.35 is less than the Buffer Level, the hypothetical Payment at Maturity for each \$1,000 Principal Amount of your Notes will equal:

Payment at Maturity =  $\$1,000 + [\$1,000 \times 111.11\% \times (-43.65\% + 10.00\%)] = \$626.11$

The following chart shows a graphical illustration of the hypothetical Payment at Maturity that we would pay on your Notes on the Maturity Date, if the Final Basket Level were any of the hypothetical levels shown on the horizontal axis. The hypothetical Payments at Maturity in the chart are expressed as percentages of the principal amount of your Notes and the hypothetical Final Basket Levels are expressed as percentages of the Initial Basket Level. The chart shows that any hypothetical Final Basket Level of less than 90.00% (the section left of the 90.00% marker on the horizontal axis) would result in a hypothetical Payment at Maturity of less than 100.00% of the principal amount of your Notes (the section below the 100.00% marker on the vertical axis) and, accordingly, in a loss of principal to the holder of the Notes. The chart also shows that any hypothetical Final Basket Level of greater than or equal to 121.84% (the section right of the 121.84% marker on the horizontal axis) would result in a capped return on your investment.

The Payments at Maturity shown above are entirely hypothetical; they are based on levels of the Basket that may not be achieved on the Valuation Date and on assumptions that may prove to be erroneous. The actual market value of your

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Notes on the Maturity Date or at any other time, including any time you may wish to sell your Notes, may bear little relation to the hypothetical Payment at Maturity shown above, and these amounts should not be viewed as an indication of the financial return on an investment in the offered Notes. The hypothetical Payment at Maturity on the Notes in the examples above assume you purchased your Notes at their principal amount and have not been adjusted to reflect the actual public offering price you pay for your Notes. The return on your investment (whether positive or negative) in your Notes will be affected by the amount you pay for your Notes. If you purchase your Notes for a price other than the principal amount, the return on your investment will differ from, and may be significantly lower than, the hypothetical returns suggested by the above examples. Please read “Additional Risk Factors Specific to the Notes — The Market Value of Your Notes May Be Influenced by Many Unpredictable Factors” beginning on page PS-6 of the product prospectus supplement.

Payments on the Notes are economically equivalent to the amounts that would be paid on a combination of other instruments. For example, payments on the Notes are economically equivalent to a combination of a non-interest-bearing bond bought by the holder and one or more options entered into between the holder and us (with one or more implicit option premiums paid over time). The discussion in this paragraph does not modify or affect the terms of the Notes or the U.S. federal income tax treatment of the Notes, as described elsewhere in this pricing supplement.

*We cannot predict the actual Final Basket Level or what the market value of your Notes will be on any particular Trading Day, nor can we predict the relationship between the level of any Basket Component and the market value of your Notes at any time prior to the Maturity Date. The actual amount that you will receive, if any, on the Maturity Date and the rate of return on the offered Notes will depend on the actual Cap Level, and the Maximum Payment Amount, which we will set on the Pricing Date, and the actual Final Basket Level to be determined by the Calculation Agent as described above. Moreover, the assumptions on which the hypothetical returns are based may turn out to be inaccurate. Consequently, the amount of cash to be paid in respect of your Notes, if any, on the Maturity Date may be very different from the information reflected in the examples above.*



## Information Regarding the Basket Components

All disclosures contained in this pricing supplement regarding the Basket Components, including, without limitation, their make-up, methods 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, the Index Sponsors. Each Index Sponsor, which owns the copyright and all other rights to the relevant Basket Component, has no obligation to continue to publish, and may discontinue publication of, the relevant Basket Component. The consequences of an Index Sponsor discontinuing publication of the relevant Basket Component are discussed in the section of the product prospectus supplement entitled “General Terms of the Notes — Unavailability of the Level of the Reference Asset.” Neither we nor TDS accepts any responsibility for the calculation, maintenance or publication of any Basket Component or any successor index. None of the websites referenced in the Basket Component descriptions below, or any materials included in those websites, are incorporated by reference into this pricing supplement.

### **The EURO STOXX 50® Index (“SX5E”)**

The SX5E is a free-float market capitalization-weighted index of 50 European blue-chip stocks and was created by and is sponsored and maintained by STOXX Limited. Publication of the SX5E Index began on February 26, 1998, based on an initial index value of 1,000 at December 31, 1991. The level of the SX5E Index is disseminated on the STOXX Limited website. STOXX Limited is under no obligation to continue to publish the SX5E and may discontinue publication of it at any time. Additional information regarding the SX5E Index may be obtained from the STOXX Limited website: <http://www.stoxx.com>.

The top ten constituent stocks of the EURO STOXX 50® Index as of January 4, 2017, by weight, are: Total S.A. (5.53%), Siemens AG (4.40%), Sanofi (4.11%), Bayer AG (3.77%), SAP SE (3.64%), BASF SE (3.62%), Banco Santander S.A. (3.35%), Allianz SE (3.28%), Anheuser-Busch InBev N.V. (3.24%) and Daimler AG (3.21%); constituent weights may be found at <http://www.stoxx.com/download/indices/factsheets/SX5GT.pdf> under “Factsheets and Methodologies” and are updated periodically.

As of January 4, 2017, the sixteen industry sectors which comprise the EURO STOXX 50® Index represent the following weights in the index: Automobiles & Parts (5.64%), Banks (15.31%), Chemicals (9.23%), Construction & Materials (3.86%), Food & Beverage (4.90%), Health Care (7.69%), Industrial Goods & Services (10.18%), Insurance (6.88%), Media (0.83%), Oil & Gas (7.31%), Personal & Household Goods (8.03%), Real Estate (0.99%), Retail (2.64%), Technology (6.58%), Telecommunications (5.41%) and Utilities (4.52%); industry weightings may be found at <http://www.stoxx.com/download/indices/factsheets/SX5GT.pdf> under “Factsheets and Methodologies” and are updated periodically. Percentages may not sum to 100% due to rounding. Sector designations are determined by the basket underlier sponsor using criteria it has selected or developed. Index Sponsors may use very different standards for determining sector designations. In addition, many companies operate in a number of sectors, but are listed in only one sector and the basis on which that sector is selected may also differ. As a result, sector comparisons between indices with different Index Sponsors may reflect differences in methodology as well as actual differences in the sector composition of the indices.

As of January 4, 2017, the eight countries which comprise the EURO STOXX 50® Index represent the following weights in the index: Belgium (3.24%), Finland (1.20%), France (36.48%), Germany (33.69%), Ireland (1.20%), Italy (4.86%), Netherlands (9.25%) and Spain (10.08%); country weightings may be found at <http://www.stoxx.com/download/indices/factsheets/SX5GT.pdf> under “Factsheets and Methodologies” and are updated periodically.

The above information was derived from information prepared by the basket underlier sponsor, however, the percentages we have listed above are approximate and may not match the information available on the basket

underlier sponsor's website due to subsequent corporation actions or other activity relating to a particular stock.

*SX5E Composition.*

The SX5E is composed of 50 underlier stocks chosen by STOXX Limited from the 19 EURO STOXX Supersector indices, which represent the Eurozone portion of the STOXX Europe 600 Supersector indices. STOXX Limited selects underlier stocks that have, in its view, a high degree of liquidity and represent the largest companies across all market sectors. The 19 supersectors from which stocks are selected for the SX5E are Automobiles & Parts, Banks, Basic Resources, Chemicals, Construction & Materials, Financial Services, Food & Beverages, Health Care, Industrial Goods & Services, Insurance, Media, Oil & Gas, Personal & Household Goods, Real Estate, Retail, Technology, Telecommunications, Travel & Leisure and Utilities, although stocks from each of these supersectors are not necessarily included at a given time.

*Component Selection*

The composition of the SX5E is reviewed by STOXX Limited annually in September. Within each of the 19 EURO STOXX Supersector indices, the respective index component stocks are ranked by free—float market capitalization. The largest stocks are added to the selection list until the coverage is close to, but still less than,

60% of the free—float market capitalization of the corresponding EURO STOXX Total Market Index Supersector Index. If the next highest—ranked stock brings the coverage closer to 60% in absolute terms, then it is also added to the selection list. All remaining stocks that are current SX5E components are then added to the selection list. The stocks on the selection list are then ranked by free—float market capitalization. The 40 largest stocks on the selection list are chosen as index components. The remaining 10 stocks are then selected from the largest current stocks ranked between 41 and 60. If the number of index components is still below 50, then the largest remaining stocks on the selection list are added until the SX5E contains 50 stocks. In exceptional cases, the STOXX Limited Management Board may make additions and deletions to the selection list.

#### *Ongoing Maintenance of Component Stocks*

The component stocks of the SX5E are monitored on an ongoing monthly basis for deletion and quarterly basis for addition. Changes to the composition of the SX5E due to corporate actions (including mergers and takeovers, spin—offs, sector changes and bankruptcy) are announced immediately, implemented two trading days later and become effective on the next trading day after implementation.

The component stocks of the SX5E are subject to a “fast exit” rule. A component stock is deleted if it ranks 75 or below on the monthly selection list and it ranked 75 or below on the selection list of the previous month. The highest-ranked non-component stock will replace the exiting component stock. The SX5E is also subject to a “fast entry” rule. All stocks on the latest selection lists and initial public offering (IPO) stocks are reviewed for a fast-track addition on a quarterly basis. A stock is added if it qualifies for the latest blue-chip selection list generated at the end of February, May, August or November and if it ranks within the lower buffer (between 1 and 25) on the selection list. If added, the stock replaces the smallest component stock.

A deleted stock is replaced immediately to maintain the fixed number of stocks. The replacement is based on the latest monthly selection list. In the case of a merger or takeover where a component stock is involved, the original component stock is replaced by the new component stock. In the case of a spin-off, if the original stock was a component stock, then each spin-off stock qualifies for addition if it lies within the lower buffer (between 1 and 40) on the latest selection list. The largest qualifying spin-off stock replaces the original component stock, while the next qualifying spin-off stock replaces the lowest ranked component stock and likewise for other qualifying spin-off stocks.

The free float factors and outstanding number of shares for each underlier stock that STOXX Limited uses to calculate the SX5E, as described below, are reviewed, calculated and implemented on a quarterly basis and are fixed until the next quarterly review. Certain extraordinary adjustments to the free float factors and/or the number of outstanding shares are implemented and made effective more quickly. The timing depends on the magnitude of the change. Each component’s weight is capped at 10% of the SX5E’s total free float market capitalization. The free float factor reduces the underlier stock’s number of shares to the actual amount available on the market. All holdings that are larger than five percent of the total outstanding number of shares and held on a long-term basis are excluded from the index calculation (including, but not limited to, stock owned by the company itself, stock owned by governments, stock owned by certain individuals or families, and restricted shares).

#### *Index Calculation*

STOXX Limited calculates the SX5E using the “Laspeyres formula,” which measures the aggregate price changes in the underlier stocks against a fixed base quantity weight. The discussion below describes the “price return” calculation of the SX5E. The formula for calculating the SX5E value can be expressed as follows:

SX5E=Free Float Market

Capitalization

of the SX5E

Divisor

The “free float market capitalization of the SX5E” is equal to the sum of the product of the price, the number of shares, the free float factor and the weighting cap factor for each underlier stock as of the time the SX5E is being calculated. The index stocks trade in Euros and thus, no currency conversion is required. Where any index component stock price is unavailable on any trading day, the underlier sponsor will generally use the last reported price for such component stock.

In case the investability and tradability of the index and index based products is affected by an upcoming market or company event that is considered significant or “extreme” by the STOXX Management Board, the following actions or a combination of the following actions are taken. For all such changes a minimum notification period of two full trading days will be observed. The action scope may include but is not limited to:

application of expert judgment for index component pricing data,  
adjustment of operational procedures,  
postponement of index adjustments,  
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adjustment of selection lists,  
change of weights of index constituents by adjusting the number of shares, free-float factors or weighting cap-factors,  
or  
adjustment of index compositions.

#### *EURO STOXX 50 Divisor*

The SX5E is calculated using a divisor that helps to maintain the continuity of the index's value so that corporate actions do not artificially increase or decrease the level of the SX5E.

The divisor is calculated by starting with the previous divisor in effect for the SX5E (which we call the "original divisor value") and multiplying it by a fraction, the numerator of which is the previous free float market capitalization of the SX5E, plus or minus the difference between the closing market capitalization of the SX5E and the adjusted closing market capitalization of the SX5E, and the denominator of which is the previous free float market capitalization of the SX5E. The adjusted free float market capitalization is calculated for stocks of companies that have experienced a corporate action of the type described below as of the time the new divisor value is being calculated using the free float market capitalization calculated with adjusted closing prices, the new number of shares, and the new free float factor minus the free float market capitalization calculated with that stock's original closing price, number of shares, and free float factor, in each case as used in calculating the original divisor value. Errors in divisor calculation are corrected on an intraday basis if discovered on the same day the new divisor is effective. If the error is discovered later, the error is corrected on an intraday basis if feasible and only if the error is considered significant by the STOXX Limited Management Board.

#### *Divisor Adjustments*

STOXX Limited adjusts the divisor for the SX5E to maintain the continuity of the SX5E values across changes due to corporate actions. Changes in weights due to corporate actions are distributed proportionally across all index components and equal an investment into the portfolio. The following is a summary of the adjustments to any underlier stock made for corporate actions and the effect of such adjustments on the divisor, where shareholders of the underlier stock will receive "B" new shares for every "A" share held (where applicable) and assuming that the version of the index to which your notes are linked is the price return version. All adjusted prices consider withholding taxes based on the new shares being distributed, using "B \* (1 - withholding tax where applicable)".

##### *(1) Special cash dividend:*

Adjusted price = closing price – dividend announced by the company \* (1 - withholding tax if applicable)

Divisor: decreases

##### *(2) Split and reverse split:*

Adjusted price = closing price \* A / B

New number of shares = old number of shares \* B / A Divisor: no change

(3) *Rights offering:*

Adjusted price = (closing price \* A + subscription price \* B) / (A + B)

New number of shares = old number of shares \* (A + B) / A

Divisor: increases

If the subscription price is not available or if the subscription price is equal to or greater than the closing price on the day before the effective date, then no adjustment is made.

Extremely dilutive rights issues having a share ratio larger or equal to 2000% ( $B/A \geq 20$ ) are treated as follows:

STOXX will announce the deletion of the company from all indices following the standard rules for index replacements if sufficient notice of two trading days before the ex-date can be given.

The company may enter the indices again at the next periodic index review, but only after the new rights issue shares have been listed.

Extremely dilutive rights issues for which two trading days' notice before the ex-date cannot be given, and all highly dilutive rights issues having a share ratio larger or equal to 200% ( $B/A > 2$ ) are treated as follows:

The rights issue shares are included into the indices with a theoretical price on the ex-date;

The rights issue shares must be listed on an eligible stock exchange and tradable starting on the ex-date, otherwise, only a price adjustment is made and the rights are not included;

The rights issue shares will have the same parameters as the parent company;

The rights issue shares will be removed after their first trading day at the close; and

The number of shares and weighting factors will be increased after the new rights issue shares have been listed.

*(4) Stock dividend:*

Adjusted price = closing price \*  $A / (A + B)$

New number of shares = old number of shares \*  $(A + B) / A$

Divisor: no change

*(5) Stock dividend from treasury stock if treated as extraordinary dividend:*

Adjusted close = close – close \*  $B / (A + B)$

Divisor: decreases

*(6) Stock dividend of another company:*

Adjusted price = (closing price \*  $A -$  price of other company \*  $B) / A$

Divisor: decreases

*(7) Return of capital and share consolidation:*

Adjusted price = [closing price – capital return announced by company \*  $(1 -$  withholding tax)] \*  $A / B$

New number of shares = old number of shares \*  $B / A$

Divisor: decreases

*(8) Repurchase of shares / self-tender:*

Adjusted price = [(price before tender \* old number of shares) – (tender price \* number of tendered shares)] / (old number of shares – number of tendered shares)

New number of shares = old number of shares – number of tendered shares

Divisor: decreases

(9) *Spin-off*:

Adjusted price = (closing price \* A – price of spin-off shares \* B) / A

Divisor: decreases

(10) *Combination stock distribution (dividend or split) and rights offering*:

For this corporate action, the following additional assumptions apply:

Shareholders receive B new shares from the distribution and C new shares from the rights offering for every A share held; and

If A is not equal to one, all the following “new number of shares” formulae need to be divided by A.

If rights are applicable after stock distribution (one action applicable to another):

Adjusted price = [closing price \* A + subscription price \* C \* (1 + B / A)] / [(A + B) \* (1 + C / A)]

New number of shares = old number of shares \* [(A + B) \* (1 + C / A)] / A

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Divisor: increases

If stock distribution is applicable after rights (one action applicable to another):

Adjusted price = (closing price \* A + subscription price \* C) / [(A + C) \* (1 + B / A)]

New number of shares = old number of shares \* [(A + C) \* (1 + B / A)]

Divisor: increases

Stock distribution and rights (neither action is applicable to the other):

Adjusted price = (closing price \* A + subscription price \* C) / (A + B + C)

New number of shares = old number of shares \* (A + B + C) / A

Divisor: increases

(11) *Addition/deletion of a company*

No price adjustments are made. The net change in market capitalization determines the divisor adjustment.

(12) *Free float and shares changes*

No price adjustments are made. The change in market capitalization determines the divisor adjustment.

The SX5E is the intellectual property of STOXX Limited, Zurich, Switzerland and/or its licensors (“Licensors”), which is used under license. The securities or other financial instruments based on the SX5E are in no way sponsored, endorsed, sold or promoted by STOXX and its Licensors and neither STOXX nor its Licensors shall have any liability with respect thereto.

***License Agreement***

We have entered into a non-exclusive license agreement with STOXX providing for the license to us and certain of our affiliated or subsidiary companies, in exchange for a fee, of the right to use indices owned and published by STOXX (including the SX5E) in connection with certain securities, including the Notes offered hereby.

The license agreement between us and STOXX requires that the following language be stated in this document:

STOXX has no relationship to us, other than the licensing of the SX5E and the related trademarks for use in connection with the Notes. STOXX does not:

- sponsor, endorse, sell, or promote the Notes;
- recommend that any person invest in the Notes offered hereby or any other securities;
- have any responsibility or liability for or make any decisions about the timing, amount, or pricing of the Notes;
- have any responsibility or liability for the administration, management, or marketing of the Notes; or
- 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.

STOXX will not have any liability in connection with the Notes. Specifically:

· STOXX does not make any warranty, express or implied, and disclaims any and all warranty concerning: the results to be obtained by the Notes, the holders of the Notes or any other person in connection with the use of the SX5E and the data included in the SX5E;

· the accuracy or completeness of the SX5E and its data;

· the merchantability and the fitness for a particular purpose or use of the SX5E and its data;

· STOXX will have no liability for any errors, omissions, or interruptions in the SX5E or its data; and Under no circumstances will STOXX be liable for any lost profits or indirect, punitive, special, or consequential damages or losses, even if STOXX knows that they might occur.

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.

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**The FTSE® 100 Index (“UKX”)**

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. The UKX Index is calculated, published and disseminated by FTSE Russell, a company owned by the London Stock Exchange Companies (the “Exchange”) that we refer to as FTSE. Additional information on the UKX is available from the following website: <http://www.ftse.com/products/indices/uk>. FTSE is under no obligation to continue to publish the UKX and may discontinue publication of the UKX at any time.

FTSE divides the 100 companies included in the UKX into 19 sectors: Oil & Gas, Chemicals, Basic Resources, Construction & Materials, Industrial Goods & Services, Automobiles & Parts, Food & Beverage, Personal & Household Goods, Health Care, Retail, Media, Travel & Leisure, Telecommunications, Utilities, Banks, Insurance, Real Estate, Financial Services and Technology.

**Index Stock Weighting by Sector as of December 30, 2016**

<b>Sector*</b>	<b>Percentage**</b>
Oil & Gas	15.62
Banks	13.00
Personal & Household Goods	12.47
Health Care	10.64
Basic Resources	7.19
Insurance	6.30
Industrial Goods & Services	6.11
Telecommunications	4.64
Utilities	4.20
Travel & Leisure	4.00
Media	3.85
Food & Beverage	3.67
Retail	2.78
Financial Services	1.47
Construction & Materials	1.30
Real Estate	1.21
Technology	0.66
Chemicals	0.57
Automobiles & Parts	0.31

\* Sector designations are determined by the index sponsor using criteria it has selected or developed. Index sponsors may use very different standards for determining sector designations. In addition, many companies operate in a number of sectors, but are listed in only one sector and the basis on which that sector is selected may also differ. As a result, sector comparisons between indices with different index sponsors may reflect differences in methodology as well as actual differences in the sector composition of the indices.

\*\* Information provided by FTSE. Percentages may not sum to 100% due to rounding.

The top five constituent stocks of the UKX as of December 30, 2016, by weight, are: HSBC Holdings PLC (7.30%); Royal Dutch Shell PLC Class A (5.43%); BP PLC (5.30%); Royal Dutch Shell PLC Class B (4.89%) and British American Tobacco PLC (4.77%).

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The above information was derived from information prepared by the basket underlier sponsor, however, the percentages we have listed above are approximate and may not match the information available on the underlier sponsor's website due to subsequent corporation actions or other activity relating to a particular stock.

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### *UKX 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 free-float 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 Russell Europe, Middle East & Africa Regional Equity Advisory Committee, which we refer to as 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 Intercontinental Exchange Futures Europe 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 free-float and liquidity screens before being included in the index.

*Free-Float Screen* — With regard to free-float, a stock must have a minimum free float (as described below) of 25% if the issuing company is incorporated in the United Kingdom and 50% if it is a non-United Kingdom incorporated company. A new company may be initially included in the index with a free float outside of the above parameters so long as it has an initial free float above 5% and it is expected to meet the minimum free float requirements within 12 months of its first day of trading.

*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 5 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. New issues must have a minimum trading record of at least 20 trading days prior to the 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 each month, on a pro-rata basis since premium listing or UK Nationality allocation date if non-UK incorporated.

*Price*— With regard to price, 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).

*Market Capitalization Ranking* — Eligible stocks that pass the free-float and liquidity screens and that have an accurate and reliable price 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.

### *UKX 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 price of the index than will the price movement of a smaller company (that is, one representing a smaller percentage of the index).

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, not the total 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 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 minimum of 20 business days between the expiration date of such lock-in clause and the Tuesday before the first Friday of the review month; if the previously locked-in shares are sold by way of a corporate event (such as a secondary offering), any change to the free float will be applied five business days following completion and therefore will not be subject to the minimum 20 business day rule); shares held for publicly announced strategic reasons, including shares held by several holders acting in concert; and shares that are subject to ongoing contractual agreements (such as swaps) where they would ordinarily be treated as restricted.

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, after 20 business days, has no available market price and no known trading date will be removed. If a split results in the inclusion of an ineligible non-equity security, such security will remain in the UKX for two trading days and then be removed. If a constituent is delisted or ceases to have a firm quotation, it will be removed from

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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 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.

**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.

<b>Type of Corporate Action</b>	<b>Adjustment</b>	<b>Adjustment to Divisor</b>
Issue of new shares	Share weighting increased	Yes
Share repurchase	Share weighting decreased	Yes
Bonus issue of same stock or stock split	Number of shares held before issue or split divided by number of shares held after issue or split	No

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Rights Issues/Entitlement Offers -These are an entitlement or right to buy additional shares directly from the company in proportion to existing holdings. FTSE will only adjust the index to account for a right if the subscription price of the right is at a discount to the market price of the stock. Provided FTSE has been alerted to the rights offer prior to the ex-date, a price adjustment and share increase proportionate to the terms of the offer will be implemented before the open on the ex-date. The rights become attached to the shares on the ex-date.

Where the rights issue/entitlement offer subscription price remains unconfirmed on the ex-date, FTSE will estimate the subscription price using the value being raised and the offer terms. If the rights issue is greater than ten to one, FTSE will consider this “highly dilutive” and, to facilitate replication, will include on the ex-date a separate temporary line to reflect the market value of the rights (together with a temporary line at subscription cash) until the end of the subscription period, at which point the temporary lines will be deleted and the new shares will be consolidated into the existing share line.

Where the shares being issued are not entitled to the next dividend, FTSE will deviate from the standard index treatment and include on the ex-date a separate temporary line to reflect the market value of the rights (together with a temporary line at a fixed value to reflect the subscription cash). If the dividend ex-date occurs prior to the end of the rights subscription period, the temporary lines will be deleted and the new shares assimilated into the ordinary line at the open on the dividend ex-date. If the dividend ex-date occurs after the expiration of the rights subscription period, the temporary rights and cash line will be deleted after the close on the last day of the rights subscription period, and replaced by a temporary dummy line equal to the ordinary line close price minus the upcoming dividend. On the open of the ex-dividend date, the dummy line is deleted and the shares are aggregated with the ordinary line.

In the event the rights issue involves a non-constituent (including non-equity) and the value of the right cannot be determined, there will be no adjustment on the ex-date. If the rights are scheduled to trade, a rights line will be added to the index at a value of zero on the ex-date and will be deleted from the index at the market price when it commences trading, with the provision of appropriate notice. No cash temporary line will be included as the index will not subscribe to the rights.

Where a company announces an open offer or a rights issue with an ex-entitlement date on the same day, FTSE will apply an index adjustment either before the market-open on the ex-entitlement day or as an intra-day adjustment as soon as possible thereafter. The adjustment will be applied based on the previous day’s closing price with the new shares included in the index weighting at the open offer price.

In the case of an accelerated rights offer, where the ex-date is theoretical and typically not quoted by the exchange, shares are increased and a price adjustment is applied according to the terms of the offer before the open on the day the security resumes trading.

#### *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 an 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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Neither FTSE nor the LSE makes any representation or warranty, express or implied, to the depositors of the Notes or any member of the public regarding the advisability of investing in structured products generally or in the Notes particularly, or the ability of the UKX to track general stock market performance. FTSE and the LSE’s only relationship

with the Issuer is the licensing of certain trademarks and trade names of FTSE, respectively, without regard to the Issuer or the Notes. FTSE and the LSE have no obligation to take the needs of the Issuer or the depositors of the Notes into consideration in determining, composing or calculating the UKX. Neither FTSE nor the LSE is responsible for and has not participated in the determination of the timing, price or quantity of the Notes to be issued or in the determination or calculation of the amount due at maturity of the Notes. Neither FTSE nor the LSE has any obligation or liability in connection with the administration, marketing or trading of the Notes.

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### **TOPIX (“TPX”)**

TPX, also known as the Tokyo Price Index, is a capitalization weighted index of all the domestic common stocks listed on the First Section of the Tokyo Stock Exchange, Inc., which we refer to as the TSE. Domestic stocks admitted to the TSE are assigned either to the TSE First Section Index, the TSE Second Section Index or the TSE Mothers Index. Stocks listed in the First Section, which number approximately 1,700, are among the most actively traded stocks on the TSE. TPX is supplemented by the sub-basket components of the 33 industry sectors and was developed with a base index value of 100 as of January 4, 1968. TPX is calculated and published by TSE. Additional information about TPX is available on the following website: <http://www.jpx.co.jp/english/markets/indices/topix>

### **TPX**

#### **Basket Underlier Stock Weighting by Sector as of January 5, 2017**

<b>Sector:</b>	<b>Percentage (%)</b>
Air Transportation	0.54%
Banks	8.60%
Chemicals	6.46%
Communication	7.78%
Construction	3.05%
Electric Appliances	12.29%
Electric Power and Gas	1.89%
Fishery, Agriculture and Forestry	0.11%
Foods	4.41%
Glass and Ceramics Products	0.96%
Insurance	2.66%
Iron and Steel	1.28%
Land Transportation	4.32%
Machinery	4.98%

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<b>Sector:</b>	<b>Percentage (%)</b>
Marine Transportation	0.23%
Metal Products	0.70%
Mining	0.35%
Nonferrous Metals	0.91%
Oil and Coal Products	0.52%
Other Financing Business	1.32%
Other Products	1.77%
Pharmaceutical	4.75%
Precision Instruments	1.54%
Pulp and Paper	0.24%
Real Estate	2.64%
Retail Trade	4.75%
Rubber Products	0.91%
Securities and Commodities Futures	1.23%
Services	3.65%
Textiles and Apparels	0.70%
Transportation Equipment	9.83%
Warehousing & Harbor Transp Service	0.20%
Wholesale Trade	4.39%

*\* Sector designations are determined by the basket underlier sponsor using criteria it has selected or developed. Index sponsors may use very different standards for determining sector designations. In addition, many companies operate in a number of sectors, but are listed in only one sector and the basis on which that sector is selected may also differ. As a result, sector comparisons between indices with different index sponsors may reflect differences in methodology as well as actual differences in the sector composition of the indices.*

*\*\* Information provided by TSE. Percentages may not sum to 100% due to rounding.*

#### *TPX Composition and Maintenance*

TPX is comprised of all domestic common stocks listed on the TSE First Section, excluding certain types of securities such as subscription warrant securities and preferred equity contribution securities. Companies scheduled to be delisted or newly listed companies that are still in the waiting period are excluded from the indices. TPX has no constituent review. The number of constituents will change according to new listings and delistings. The reasons for stock additions and deletions to the TSE First Section are described further below.

#### *TPX Calculation*

TPX is a free-float-adjusted market-capitalization-weighted index, which reflects movements in the market capitalization as measured from a base index value of 100 set on the base date of January 4, 1968.

TSE calculates TPX by *multiplying* the base index value of 100 by the *quotient* of the current free-float-adjusted market value *divided* by the base market value. The resulting value is not expressed in Japanese yen but presented as a number of points, rounded to the nearest one hundredth. The formula for calculating TPX value can be expressed as follows:

$$\text{Index value} = \text{Base index value of 100} \times \frac{\text{Current free-float - adjusted market value}}{\text{Base market value}}$$

The current free-float-adjusted market value is the sum of the products of the price times the number of free-float-adjusted shares for each constituent stock.

The number of free-float-adjusted shares for this calculation is the total number of listed shares multiplied by free-float weight. The total number of listed shares used for this purpose is usually the same as the number of actual listed shares. However, in some cases these numbers will differ as a consequence of the index methodology. For instance, in the case of a stock split, the number of listed shares will increase on the additional listing date after the stock split becomes effective; on the other hand, the number of listed shares for index calculation purposes will increase on the ex- rights date.

Free-float weight is the weight of listed shares deemed to be available for trading in the market, and is determined and calculated by the TSE for each constituent stock. It is calculated by *subtracting the quotient* of non-free-float shares *divided by* listed shares *from* one. Free-float weight is reviewed once a year in order to reflect the latest distribution of share ownership. The TSE estimates non-free-float shares using publicly available documents, and generally deems shares held by the top ten major shareholders (with certain exceptions), treasury stocks and shares held by members of the issuer's board of directors to be unavailable for trading in the market. The TSE may deem other shares to be unavailable for trading in the market. The timing of the yearly free- float-weight review is different according to the settlement terms of listed companies. In addition to the yearly review, extraordinary reviews may be conducted for events TSE expects will significantly affect the free-float weight. These include when new shares are allocated to a third party, preferred shares are converted or subscription warrants are exercised, as well as in the event of a company spin-off, merger, stock-swap, take-over bid and other events TSE judges deem will significantly affect free-float weight.

In the event of any increase or decrease in the current free-float-adjusted market value due to causes other than fluctuations in the stock market, such as public offerings or changes in the number of listed companies in the TSE First Section, adjustments are made by TSE to the base market value in order to maintain the continuity of TPX. The base market value will be adjusted after the end of the trading session on the adjustment date.

*Additions and Deletions to the TSE First Section (and therefore, TPX)*

TSE adds or removes securities for various listing and delisting events as shown in the table below.

**Additions and Deletions of Constituents**

**Event**

**Adjustment Date**



		<b>Stock Price Used for Adjustment</b>
<b>Addition</b>	A company is to be newly listed on the TSE First Section (directly listed or via another stock exchange)	Last business day of the month after such listing
<b>Addition</b>	New listing of a newly formed company resulting from a corporate consolidation, acquisition, merger or split (personnel split) that results in a TPX or Ex-TPX constituent being delisted and the new company being included in TPX.	New listing date. If the initial listing date falls on a holiday, it will be the following business day
		Stock price at the end of trading on the business day before adjustment date
		Base price

<b>Addition</b>	Assignment to the TSE First Section from the TSE Second Section, Tokyo Stock Exchange Mothers Index or JASDAQ Index.	Last business day of the month after such assignment (a free float weight of 0.00 is used from the assignment date to the month after the assignment date and thus the number of shares to be used for calculation will be 0.00 during such period)	Stock price at the end of trading on the business day before adjustment date
<b>Deletion</b>	New listing of a newly formed company resulting from a corporate consolidation, acquisition, merger or split (personnel split) that results in TPX or Ex-TPX constituent being delisted and the new company being included in TPX.	Listing date of the newly formed company (normally three business days following delisting date)	Stock price at the end of trading on the business day before delisting date. The stock price at the end of trading on the business day before the delisting date is used to calculate TPX for the period from the delisting date to the removal date
<b>Deletion</b>	A constituent is to be delisted due to a reason other than as described in the preceding scenario	Delisting date	Stock price at the end of trading on the business day before adjustment date
<b>Deletion</b>	A constituent's securities are designated to be delisted	Four business days after designation. If the designation date falls on a holiday, it will be the next business day	Stock price at the end of trading on the business day before adjustment date
<b>Deletion</b>	Assignment to the TSE Second Section or JASDAQ from the TSE First Section	Date of change	Stock price at the end of trading on the business day before adjustment date

The adjusted base market value will equal the old base market value *multiplied* by the *quotient* of the free-float-adjusted market value on the business day before the adjustment date *plus* or *minus*, as applicable, the adjustment amount *divided* by the free-float-adjusted market value on the business day before the adjustment date.

The adjustment amount for the foregoing calculation will be an amount equal to the *product* of the change (the absolute value of the increase or decrease) in the number of shares used for index calculations *times* the price of the shares used for adjustment.

Changes in the number of shares and the price of the shares for adjustments to the base market value will be made as described in the table below.

**Change in the Number of Shares**

<b>Event</b>	<b>Adjustment Date</b>	<b>Stock Price Used for Adjustment</b>
Change of free-float weight	Date of change	Stock price at the end of trading on the business day before adjustment date
Public offering	Additional listing date (day after payment date). If listing date falls on a holiday, it will be the next business day	Stock price at the end of trading on the business day before adjustment date
Allocation of new shares to a third party	Five business days after additional listing date (two business days after payment date)	Stock price at the end of trading on the business day before adjustment date
Issues to shareholders with payment	Ex-rights date	Payment price per share
Exercise of subscription warrants	Last business day of the month following exercise	Stock price at the end of trading on the business day before adjustment date
Conversion of preferred shares	Last business day of the month following conversion	Stock price at the end of trading on the business day before adjustment date
Cancellation of treasury stock	Last business day of the month following cancellation	Stock price at the end of trading on the business day before adjustment date
Merger or acquisitions between a non-surviving constituent and another constituent	Delisting date of the non-surviving constituent	Stock price at the end of trading on the business day before adjustment date
Merger or acquisitions other than that described above	Listing change date (effective date)	Stock price at the end of trading on the business day before adjustment date
Rights offering	Ex-rights date	Payment price per share
Offering for sale of shares held by the Japanese government (Nippon Telegraph and Telephone and Japan Tobacco only)	Date determined by TSE (generally the delivery date)	Stock price at the end of trading on the business day before adjustment date
Company split (merged split)	Listing change date (the effective date)	Stock price at the end of trading on the business day before adjustment date
Other adjustments	Last business day of the month in which the information appears in "Sho-ho" (TSE Notice) the last business day of the following month	Stock price at the end of trading on the business day before adjustment date

No adjustments will be made to the base market value in the case of a stock split or reverse stock split.

Retroactive adjustments will not be made to revise the figures of the index that have already been calculated and disseminated even if issuing companies file amendments on previously released information.

#### *Market Disruption*

If trading in a certain constituent is halted, the TSE regards the constituent's share price for purposes of calculating TPX to be unchanged. Where an event that is not specified in the rules of TPX occurs, or if the TSE decides that it is impossible to use its existing methods to calculate TPX, the TSE may use an alternate method of index calculation as it deems valid.

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#### *License Agreement*

The Issuer or one of its affiliates has entered into a non-exclusive license agreement with the TSE, Inc. whereby it, in exchange for a fee, is permitted to use the TPX in connection with certain certificates of deposit, including the Notes. The Issuer is not affiliated with the TSE; the only relationship between the TSE and the Issuer is any licensing of the use of the TPX and trademarks relating to it.

The license agreement between the TSE and the Issuer or one of its affiliates provides that the following disclaimer must be set forth herein:

- The TOPIX Index Value and the TOPIX Index Marks are subject to the rights owned by the TSE and the TSE owns
- (i) all rights relating to the TPX, such as calculation, publication and use of the TOPIX Index Value and relating to the TOPIX Index Marks.
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The TSE makes no warranty or representation whatsoever, either as to the results stemmed from the use of the
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(v) No Notes are in any way sponsored, endorsed or promoted by the TSE.

(vi) The TSE shall not bear any obligation to give an explanation of the Notes or an advice on investments to any purchaser of the Notes or to the public.

(vii) The TSE neither selects specific stocks or groups thereof nor takes into account any needs of the issuing company or any purchaser of the Notes for calculation of the TOPIX Index Value.

(viii) Including but not limited to the foregoing, the TSE shall not be responsible for any damage resulting from the issue and sale of the Notes.

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### **The Swiss Market Index (“SMI”)**

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 “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 Exchange has outsourced certain aspects of the benchmark determination process, essentially the development and maintenance of its indices as described below, to STOXX Limited in Zurich, Switzerland. All matters regarding the SMI that require a decision, including regarding processes outsourced to STOXX, are submitted to the Management Committee. The Management Committee of SIX Swiss Exchange is supported by an Index Commission (advisory board) in all index-related matters, notably in connection with changes to the SMI rules and adjustments, additions and exclusions outside of the established review and acceptance period. The Index Commission meets at least twice annually.

As of January 5, 2017, the ICB industry sectors in the SMI (and their respective weights) were: Basic Materials (5.13%), Consumer Goods (26.88%), Financials (18.37%), Health Care (38.20%), Industrials (10.27%), Oil & Gas (0.00%) and Telecommunications (1.15%) (may not sum to 100% due to rounding). Sector designations are determined by the index sponsor using criteria it has selected or developed. Index sponsors may use very different standards for determining sector designations. In addition, many companies operate in a number of sectors, but are listed in only one sector and the basis on which that sector is selected may also differ. As a result, sector comparisons between indices with different index sponsors may reflect differences in methodology as well as actual differences in the sector composition of the indices. The above index weighting information was provided by SMI according to our license agreement.

#### *SMI® Composition and Selection Criteria*

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

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

- average free-float market capitalization (compared to the capitalization of the entire SIX Exchange index family), and
  - cumulative on order book turnover (compared to the total turnover of the SIX Exchange index family).
- 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. The reconstitution is based on data from the previous July 1 through June 30. Provisional interim selection (ranking) lists are also published following the end of the third, fourth and first financial quarters.

In order to reduce turnover, an index constituent will not be replaced unless it is ranked below 23 or, if it is ranked 21 or 22, if another share ranks 18 or higher. If a company has primary listings on several exchanges and less than 50% of that company's total turnover is generated on the Exchange, it will not be included in the SMI unless it ranks at least 18 or better on the selection list solely on the basis of its turnover on those exchanges on which it has a primary listing (i.e., without considering its free float).

*Maintenance of the SMI*

Constituent Changes. In the case of major market changes as a result of capital events such as mergers or new listings, the Management Committee of SIX Swiss Exchange can decide at the request of the Index Commission that a security

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should be admitted to the SMI outside 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 5<sup>th</sup> trading day prior to the end of November cannot be included until the following March). An announced insolvency is deemed to be an extraordinary event and the security will be removed from the SMI with five trading days' prior notice if the circumstances permit such notice.

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 are the approved capital and the conditional 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 the 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 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 Exchange may also use other sources than the reports submitted to it. In particular, the Exchange may use data gained from issuer surveys that it conducts itself.

In general, shares held by custodian nominees, trustee companies, investment funds, pension funds and investment companies are deemed free-floating regardless of whether a report has been made to the Exchange. The 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 provisionally pre-announced at least one month before the adjustment date, although the index sponsor reserves the right to take account of recent changes up to five trading days before the adjustment date in the actual adjustment.

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, occurs from one trading to the next and is in conjunction with a corporate action.

After a takeover, the Exchange may, in exceptional cases, adjust the free float of the company in question 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, and a replacement will be determined based on the current selection list.



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

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*Calculation of the Index*

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:

$$\text{Swiss Market Index} = \frac{\text{Free Float Market Capitalization of the SMI}^{\text{®}}}{\text{Divisor}}$$

The “free float market capitalization of the SMI” is equal to the sum of the product of the last-paid price, the number of shares, the free float 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 index component stock price is unavailable on any trading day, the Exchange will use the last reported price for such component stock. Only prices from the 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 SMI 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 SMI.

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.

*License Agreement*

These Notes are not in any way sponsored, endorsed, sold or promoted by the SIX Swiss Exchange and the SIX Swiss Exchange makes no warranty or representation whatsoever, express or implied, either as to the results to be obtained from the use of the SMI and/or the figure at which the SMI stands at any particular time on any particular day or otherwise. However, the SIX Swiss Exchange shall not be liable (whether in negligence or otherwise) to any person for any error in the SMI and the SIX Swiss Exchange shall not be under any obligation to advise any person of any error therein.

SIX Group, SIX Swiss Exchange, SPI, Swiss Performance Index (SPI), SPI EXTRA, SPI ex SLI, SMI, Swiss Market Index (SMI), SMI MID (SMIM), SMI Expanded, SXI, SXI Real Estate, SXI Swiss Real Estate, SXI Life Sciences,

SXI Bio+Medtech, SLI, SLI Swiss Leader Index, SBI, SBI Swiss Bond Index, SAR, SAR SWISS AVERAGE RATE, SARON, SCR, SCR SWISS CURRENT RATE, SCRON, SAION, SCION, VSMI and SWX Immobilienfonds Index are trademarks that have been registered in Switzerland and/or abroad by SIX Group Ltd respectively SIX Swiss Exchange. Their use is subject to a license.

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## **The S&P/ASX 200 Index (“AS51”)**

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 companies and covers approximately 80% of the Australian equity market by float-adjusted market capitalization. As discussed below, the S&P/ASX 200 is not limited solely to companies having their primary operations or headquarters in Australia or to companies having their primary listing on the Australian Securities Exchange (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 such as convertible stocks, bonds, warrants, preferred stock that provides a guaranteed fixed return and listed investment companies are not eligible for inclusion. Stocks currently under consideration for merger or acquisition are not eligible for inclusion or promotion to the AS51.

As of December 30, 2016, the top 10 index stocks by weight were the following: Commonwealth Bank Australia, Westpac Banking Corp, ANZ Banking Group, National Australia Bank Ltd., BHP Billiton Ltd., Telstra Corp Ltd., Wesfarmers Ltd., CSL Ltd., Woolworths Ltd. and Macquarie Group Ltd.

As of December 30, 2016, the 11 GICS industry sectors represented by stocks in the AS51 include: Financials (38.2%), Materials (16.2%), Real Estate (8.5%), Consumer Staples (6.8%), Industrials (6.6%), Health Care (6.3%), Consumer Discretionary (4.9%), Telecommunication Services (4.4%), Energy (4.2%), Utilities (2.6%) and Information Technology (1.2%). Sector designations are determined by the index sponsor using criteria it has selected or developed. Index sponsors may use very different standards for determining sector designations. In addition, many companies operate in a number of sectors, but are listed in only one sector and the basis on which that sector is selected may also differ. As a result, sector comparisons between indices with different index sponsors may reflect differences in methodology as well as actual differences in the sector composition of the indices.

As of December 30, 2016, the countries of domicile included in the AS51 and their relative weights were: Australia (98.7%), United States (0.5%), United Kingdom (0.4%) and New Zealand (0.4%).

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

### *Number of Shares*

When considering the AS51 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 Depository 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 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 six-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 IWF represents the float-adjusted portion of a stock's equity capital. Therefore, any strategic holdings that are classified as either corporate, private or government holdings reduce the IWF which, in turn, results in a reduction in the float-adjusted market capital. Shares owned by founders, directors of the company, trusts, venture capitalists and other companies are also excluded. These are also deemed strategic holders, and are considered long-term holders of a stock's equity. Any strategic shareholdings that are greater than 5% of total issued shares are excluded from the relevant float.

The IWF ranges between 0 and 1, is calculated as  $1 - \text{Sum of the \% held by strategic shareholders who possess 5\% or more of issued shares}$ , and is an adjustment factor that accounts for the publicly available shares of a company. A company must have a minimum IWF of 0.3 to be eligible for index inclusion.

S&P Dow Jones Indices identifies the following shareholders whose holdings are considered to be control blocks and are subject to float adjustment:

1. Government and government agencies;
2. Controlling and strategic shareholders/partners;
3. Any other entities or individuals which hold more than 5%; excluding insurance companies, securities companies and investment funds;
4. Other restricted portions such as treasury stocks.

### *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 companies of the All Ordinaries index, another member of the S&P/ASX index family.

### *Index Maintenance*

S&P rebalances the AS51 constituents quarterly to ensure adequate market capitalization and liquidity based on the previous six months' worth of data. The reference date used for the six months worth of trading data is the last Friday of the month prior to the rebalancing. 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.

In order to limit the level of index turnover, eligible securities will only be considered for index inclusion once another 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 & acquisitions activity 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 float adjusted shares or \$100 million in value.

Share updates for foreign-domiciled securities will take place annually at the March rebalancing. The update to the number of index shares will only take place when the 6-month average of CDIs or the total securities held in the Australian branch of the issuer sponsored register (where supplied) and in CHESS, as of the March rebalancing, differs from the current index shares by either 5% or a market-cap dollar amount greater than A\$ 100 million. 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 float-adjusted shares of 5% or more due to market-wide shares issuance;
- Rights issues, bonus issues and other major corporate actions; and
- Share issues resulting from index companies merging and major off-market buy-backs.

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.

The function of the IWF is also to manage the AS51 weight of foreign-domiciled securities that quote shares on the basis of CDIs. Due to the volatility that is displayed by CDIs, unusually large changes in the number of CDIs on issue could result. Where this is the case, the IWF may be used to limit the effect of unusually large changes in the average number of CDIs (and, thereby, limit the potential to manipulate this figure). Where the Australian Index Committee sees fit to apply the IWF in this manner, the rationale for the decision will be announced to the market. This will be reviewed annually at the March-quarter index rebalancing date.

#### *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 *sum* for all index stocks of the products 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 AS51 and ensures that the movement of the AS51 does not reflect the corporate actions of the individual companies that comprise the AS51.

The table below summarizes the types of index adjustments and indicates whether the corporate action will require a divisor adjustment:

<b>Type of Corporate Action</b>	<b>Index Treatment</b>	<b>Divisor Adjustment Required</b>
Cash dividend	None	No
Special Cash Dividend	Price adjustment needed	Yes
Stock dividend and/or split	Shares are multiplied by and price is divided by the split factor	No
		Yes



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Stock dividend from class A shares into existing class B shares, both of which are included in the AS51	Adjustment for price of A; adjustment for shares in B	
Stock dividend of different class, same company and is not included in the AS51	Price adjustment	Yes
Reverse Split	Adjustment for price and shares	No
Rights Offering	Adjustment for price and shares	Yes

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<b>Type of Corporate Action</b>	<b>Index Treatment</b>	<b>Divisor Adjustment Required</b>
Rights offering for a new line	Adjustment for price	Yes
New share issuance	Adjustment for shares	Yes
Reduction of capital	Share adjustment	Yes
New addition to index	Share adjustment	Yes
Deletion from index	Share adjustment	Yes
Merger (acquisition by index company for stock)	Share increase	Yes

In situations where an exchange is forced to close early due to unforeseen events, such as computer or electric power failures, weather conditions or other events, S&P will calculate the closing price of the indices based on (1) the closing prices published by the exchange, or (2) if no closing price is available, the last regular trade reported for each security before the exchange closed. If the exchange fails to open due to unforeseen circumstances, S&P treats this closure as a standard market holiday. The AS51 will use the prior day's closing prices and shifts any corporate actions to the following business day. If all exchanges fail to open or in other extreme circumstances, S&P may determine not to publish the AS51 for that day.

S&P reserves the right to recalculate the AS51 under certain limited circumstances. S&P may choose to recalculate and republish an index if it is found to be incorrect or inconsistent within two trading days of the publication of the index level in question for one of the following reasons:

1. Incorrect or revised closing price
2. Missed corporate event
3. Late announcement of a corporate event
4. Incorrect application of corporate action or index methodology

Any other restatement or recalculation of an index is only done under extraordinary circumstances to reduce or avoid possible market impact or disruption as solely determined by the Index Committee.

### ***License Agreement***

The AS51 is a product of S&P, and has been licensed for use by us. Standard & Poor's® and S&P® are registered trademarks of Standard & Poor's Financial Services LLC ("S&P Financial"); Dow Jones is a registered trademark of Dow Jones Trademark Holdings LLC ("Dow Jones"); "Standard & Poor's" and "S&P/ASX 200" and "S&P" are trademarks of S&P Financial; and these trademarks have been licensed for use by S&P and sublicensed for certain purposes by us. The Notes are not sponsored, endorsed, sold or promoted by S&P, Dow Jones, S&P Financial, any of their respective affiliates (collectively, "S&P Dow Jones Indices"). S&P Dow Jones Indices makes no representation or warranty, express or implied, to the owners of the Notes or any member of the public regarding the advisability of investing in

securities generally or in the Notes particularly or the ability of the AS51 to track general market performance. S&P Dow Jones Indices' only relationship to us with respect to the AS51 is the licensing of the AS51 and certain trademarks, service marks and/or trade names of S&P Dow Jones Indices and/or its licensors. The AS51 is determined, composed and calculated by S&P Dow Jones Indices without regard to us or the Notes. S&P Dow Jones Indices have no obligation to take our needs or the owners of Notes into consideration in determining, composing or calculating the AS51. S&P Dow Jones Indices are not responsible for and have not participated in the determination of the prices, and amount of the Notes or the timing of the issuance or sale of the Notes or in the determination or calculation of the equation by which the Notes is to be converted into cash, surrendered or redeemed, as the case may be. S&P Dow Jones Indices have no obligation or liability in connection with the administration, marketing or trading of the Notes. There is no assurance that

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investment products based on the AS51 will accurately track index performance or provide positive investment returns. S&P Dow Jones Indices LLC is not an investment advisor. Inclusion of a security within an index is not a recommendation by S&P Dow Jones Indices to buy, sell, or hold such security, nor is it considered to be investment advice.

S&P DOW JONES INDICES DOES NOT GUARANTEE THE ADEQUACY, ACCURACY, TIMELINESS AND/OR THE COMPLETENESS OF THE AS51 OR ANY DATA RELATED THERETO OR ANY COMMUNICATION, INCLUDING BUT NOT LIMITED TO, ORAL OR WRITTEN COMMUNICATION (INCLUDING ELECTRONIC COMMUNICATIONS) WITH RESPECT THERETO. S&P DOW JONES INDICES SHALL NOT BE SUBJECT TO ANY DAMAGES OR LIABILITY FOR ANY ERRORS, OMISSIONS, OR DELAYS THEREIN. S&P DOW JONES INDICES MAKE NO EXPRESS OR IMPLIED WARRANTIES, AND EXPRESSLY DISCLAIMS ALL WARRANTIES, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE OR AS TO RESULTS TO BE OBTAINED BY US, OWNERS OF THE NOTES, OR ANY OTHER PERSON OR ENTITY FROM THE USE OF THE AS51 OR WITH RESPECT TO ANY DATA RELATED THERETO. WITHOUT LIMITING ANY OF THE FOREGOING, IN NO EVENT WHATSOEVER SHALL S&P DOW JONES INDICES BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS, TRADING LOSSES, LOST TIME OR GOODWILL, EVEN IF THEY HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, WHETHER IN CONTRACT, TORT, STRICT LIABILITY, OR OTHERWISE. THERE ARE NO THIRD PARTY BENEFICIARIES OF ANY AGREEMENTS OR ARRANGEMENTS BETWEEN S&P DOW JONES INDICES AND US, OTHER THAN THE LICENSORS OF S&P DOW JONES INDICES.

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### **Historical Information of the Basket Components**

The graphs below set forth the information relating to the historical performance of each Basket Component.

The graphs below show the daily historical closing levels of each Basket Component from January 6, 2007 through January 6, 2017. We obtained the information regarding the historical performance of each Basket Component in the charts below from Bloomberg Professional® (“Bloomberg”).

We have not independently verified the accuracy or completeness of the information obtained from Bloomberg. The historical performance of a Basket Component should not be taken as an indication of its future performance, and no assurance can be given as to the Final Index Level of any Basket Component or the Final Basket Level. We cannot give you assurance that the performance of the Basket will result in any positive return on your initial investment.

*PAST PERFORMANCE IS NOT INDICATIVE OF FUTURE RESULTS.*

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### **Hypothetical Information of the Basket**

The following graph sets forth the hypothetical closing levels of the Basket for the period from January 6, 2007 through January 6, 2017, assuming that the closing level of the Basket was 100 on January 6, 2007. We derived the closing levels of the Basket based on (i) the method to calculate the basket closing level as described in this document and (ii) actual closing levels of the Basket Components on the relevant date. The closing level of the Basket has been normalized such that its hypothetical closing level on January 6, 2007 was 100. As noted in this document, the Initial Basket Level will be set at 100 on the Pricing Date. The level of the Basket can increase or decrease due to changes in the levels of the Basket Components.

## Supplemental Discussion of U.S. Federal Income Tax Consequences

*General.* The following is a general description of certain U.S. federal tax considerations relating to the Notes. Prospective purchasers of the Notes should consult their tax advisors as to the consequences under the tax laws of the country of which they are a resident for tax purposes and the tax laws of the U.S. of acquiring, holding and disposing of the Notes and receiving payments under the Notes. This summary is based upon the law as in effect on the date of this pricing supplement and is subject to any change in law that may take effect after such date. This discussion replaces the federal income tax discussions in the product prospectus supplement and accompanying prospectus.

This discussion applies to you only if you are the original investor in the Notes and you hold your Notes as capital assets for U.S. federal income tax purposes. This section does not apply to you if you are a member of a class of holders subject to special rules, such as:

- a dealer in securities or currencies,
  - a trader in securities that elects to use a mark-to-market method of accounting for your securities holdings,
  - a financial institution or a bank,
  - a regulated investment company or a real estate investment trust or a common trust fund,
  - a life insurance company,
  - a tax-exempt organization or an investor holding the Notes in a tax-advantaged account (such as an “Individual Retirement Account” or “Roth IRA”),
  - a person that owns Notes as part of a straddle or a hedging or conversion transaction, or who has entered into a “constructive sale” with respect to a note for tax purposes,
  - a U.S. holder (as defined below) whose functional currency for tax purposes is not the U.S. dollar, or
- This discussion is based on the Internal Revenue Code of 1986, as amended (the “Code”), its legislative history, existing and proposed regulations under the Code, published rulings and court decisions, all as currently in effect as of the date hereof. These laws are subject to change, possibly on a retroactive basis.

This discussion, other than the section entitled “Non-U.S. Holders” below, is applicable to you only if you are a U.S. holder. You are a U.S. holder if you are a beneficial owner of a Note and you are: (i) a citizen or resident of the U.S., (ii) a domestic corporation, (iii) an estate whose income is subject to U.S. federal income tax regardless of its source, or (iv) a trust if a U.S. court can exercise primary supervision over the trust’s administration and one or more U.S. persons are authorized to control all substantial decisions of the trust.

If a partnership holds the Notes, the U.S. federal income tax treatment of a partner will generally depend on the status of the partner and the tax treatment of the partnership. A partner in a partnership holding the Notes should consult its tax advisor with regard to the U.S. federal income tax treatment of an investment in the Notes.

*Section 1297.* In addition, we will not attempt to ascertain whether any issuer of any Basket Component Constituent would be treated as a “passive foreign investment company” (a “PFIC”) within the meaning of Section 1297 of the Code. If any such entity were so treated, certain adverse U.S. federal income tax consequences might apply upon the sale, exchange, redemption or maturity of a Note. You should refer to information filed with the SEC or the equivalent governmental authority by such entities and consult your tax advisor regarding the possible consequences to you if any such entity is or becomes a PFIC.

*U.S. Tax Treatment.* No statutory, judicial or administrative authority directly discusses how the Notes should be treated for U.S. federal income tax purposes. As a result, the U.S. federal income tax consequences of your investment in the Notes are uncertain. Accordingly, we urge you to consult your tax advisor as to the tax consequences of your investment in the Notes (and of having agreed to the required tax treatment of your Notes described below) and as to the application of state, local or other tax laws to your investment in your Notes and the possible effects of changes in



federal or other tax laws.

Pursuant to the terms of the Notes, TD and you agree, in the absence of a statutory, regulatory, administrative or judicial ruling to the contrary, to characterize your Notes as pre-paid derivative contracts with respect to the Basket. If your Notes are so treated, you should generally recognize gain or loss upon the sale, exchange, redemption or maturity of your Notes in an amount equal to the difference between the amount you receive at such time and the amount you paid for your Notes. Such gain or loss should generally be long-term capital gain or loss if you have held your Notes for more than one year (otherwise such gain or loss should be short-term capital gain or loss). The deductibility of capital losses is subject to limitations.

In the opinion of our counsel, Cadwalader, Wickersham & Taft LLP, it would be reasonable to treat your Notes in the

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manner described above. However, because there is no authority that specifically addresses the tax treatment of the Notes, it is possible that your Notes could alternatively be treated for tax purposes as a single contingent payment debt instrument, or pursuant to some other characterization, such that the timing and character of your income from the Notes could differ materially from the treatment described above.

*Possible Change in Law.* The Internal Revenue Service (“IRS”) released a notice that may affect the taxation of holders of the Notes. According to Notice 2008-2, the IRS and the Treasury Department are actively considering whether a holder of an instrument such as the Notes should be required to accrue ordinary income on a current basis, and they are seeking taxpayer comments on the subject. It is not possible to determine what guidance they will ultimately issue, if any. It is possible, however, that under such guidance, holders of the Notes will ultimately be required to accrue income currently and this could be applied on a retroactive basis. The IRS and the Treasury Department are also considering other relevant issues, including whether additional gain or loss from such instruments should be treated as ordinary or capital, whether foreign holders of such instruments should be subject to withholding tax on any deemed income accruals, and whether the special “constructive ownership rules” of Section 1260 of the Code should be applied to such instruments.

In 2007, legislation was introduced in Congress that, if it had been enacted, would have required holders of Notes purchased after the bill was enacted to accrue interest income over the term of the Notes despite the fact that there will be no interest payments over the term of the Notes. It is not possible to predict whether a similar or identical bill will be enacted in the future, or whether any such bill would affect the tax treatment of your Notes.

Additionally, in 2013 the House Ways and Means Committee released in draft form certain proposed legislation relating to financial instruments. If enacted, the effect of this legislation generally would be to require instruments such as the Notes to be marked to market on an annual basis with all gains and losses to be treated as ordinary, subject to certain exceptions.

It is impossible to predict what any such legislation or administrative or regulatory guidance might provide, and whether the effective date of any legislation or guidance will affect Notes that were issued before the date that such legislation or guidance is issued. You are urged to consult your tax advisor as to the possibility that any legislative or administrative action may adversely affect the tax treatment of your Notes.

*Medicare Tax on Net Investment Income.* U.S. holders that are individuals or estates and certain trusts are subject to an additional 3.8% tax on all or a portion of their “net investment income,” or “undistributed net investment income” in the case of an estate or trust, which may include any income or gain with respect to the Notes, to the extent of their net investment income or undistributed net investment income (as the case may be) that, when added to their other modified adjusted gross income, exceeds \$200,000 for an unmarried individual, \$250,000 for a married taxpayer filing a joint return (or a surviving spouse), \$125,000 for a married individual filing a separate return, or the dollar amount at which the highest tax bracket begins for an estate or trust (which, in 2016, is \$12,400). The 3.8% Medicare tax is determined in a different manner than the regular income tax. U.S. holders should consult their advisors with respect to the 3.8% Medicare tax.

*Specified Foreign Financial Assets.* U.S. holders may be subject to reporting obligations with respect to their Notes if they do not hold their Notes in an account maintained by a financial institution and the aggregate value of their Notes and certain other “specified foreign financial assets” (applying certain attribution rules) exceeds \$50,000. Significant penalties can apply if a U.S. holder is required to disclose its Notes and fails to do so.

*Treasury Regulations Requiring Disclosure of Reportable Transactions.* Treasury regulations require U.S. taxpayers to report certain transactions (“Reportable Transactions”) on IRS Form 8886. An investment in the Notes or a sale of the Notes should generally not be treated as a Reportable Transaction under current law, but it is possible that future

legislation, regulations or administrative rulings could cause your investment in the Notes or a sale of the Notes to be treated as a Reportable Transaction. You should consult with your tax advisor regarding any tax filing and reporting obligations that may apply in connection with acquiring, owning and disposing of Notes.

*Backup Withholding and Information Reporting.* The proceeds received from a sale, exchange, redemption or maturity of the Notes will be subject to information reporting unless you are an “exempt recipient” and may also be subject to backup withholding at the rate specified in the Code if you fail to provide certain identifying information (such as an accurate taxpayer number, if you are a U.S. holder) or meet certain other conditions.

Amounts withheld under the backup withholding rules are not additional taxes and may be refunded or credited against your U.S. federal income tax liability, provided the required information is furnished to the IRS.

*Non-U.S. Holders.* This section applies only if you are a non-U.S. holder. For these purposes, you are a non-U.S. holder if you are the beneficial owner of the Notes and are, for U.S. federal income tax purposes:

- a non-resident alien individual;
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a foreign corporation; or  
an estate or trust that, in either case, is not subject to U.S. federal income tax on a net income basis on income or gain from the Notes.

A 30% withholding tax (which may be reduced by an applicable income tax treaty) is imposed under Section 871(m) of the Code on certain “dividend equivalents” paid or deemed paid to a non-U.S. holder with respect to a “specified equity-linked instrument” that references one or more dividend-paying U.S. equity securities or indices containing U.S. equity securities. The withholding tax can apply even if the instrument does not provide for payments that reference dividends. Treasury regulations provide that the withholding tax applies to all dividend equivalents paid or deemed paid on specified equity-linked instruments issued after 2016.

However, on December 2, 2016, the IRS issued Notice 2016-76, which states that the Treasury Department and the IRS intend to amend the applicability dates of the Treasury regulations under Section 871(m) of the Code to provide that the withholding tax will apply to all dividend equivalents paid or deemed paid on specified equity-linked instruments that have a delta of one (“delta one specified equity-linked instruments”) issued after 2016 and to all dividend equivalents paid or deemed paid on all other specified equity-linked instruments issued after 2017.

Based on our determination that the Notes are not “delta-one” with respect to any U.S. Basket Component, our counsel is of the opinion that the Notes should not be delta one specified equity-linked instruments and thus should not be subject to withholding on dividend equivalents. Our determination is not binding on the IRS, and the IRS may disagree with this determination. Furthermore, the application of Section 871(m) of the Code will depend on our determinations made upon issuance of the Notes. If withholding is required, we will not make payments of any additional amounts.

Nevertheless, after issuance, it is possible that your Notes could be deemed to be reissued for tax purposes upon the occurrence of certain events affecting the Basket Components or your Notes, and following such occurrence your Notes could be treated as delta one specified equity-linked instruments that are subject to withholding on dividend equivalents. It is also possible that withholding tax or other tax under Section 871(m) of the Code could apply to the Notes under these rules if a non-U.S. holder enters, or has entered, into certain other transactions in respect of the Basket Components or the Notes. A non-U.S. holder that enters, or has entered, into other transactions in respect of the Basket Components or the Notes should consult its own tax advisor regarding the application of Section 871(m) of the Code to its Notes in the context of its other transactions.

**Because of the uncertainty regarding the application of the 30% withholding tax on dividend equivalents to the Notes, you are urged to consult your own tax advisor regarding the potential application of Section 871(m) of the Code and the 30% withholding tax to an investment in the Notes.**

If you are a non-U.S. holder, you should generally not be subject to U.S. withholding tax with respect to payments on your Notes or to generally applicable information reporting and backup withholding requirements with respect to payments on your Notes if you comply with certain certification and identification requirements as to your foreign status including providing us (and/or the applicable withholding agent) a properly executed and fully completed applicable IRS Form W-8. Gain from the sale, exchange, redemption or maturity of the Notes generally will not be subject to U.S. tax unless such gain is effectively connected with a trade or business conducted by you in the U.S. or unless you are a non-resident alien individual and are present in the U.S. for 183 days or more during the taxable year of such sale, exchange, redemption or maturity and certain other conditions are satisfied.

As discussed above, alternative characterizations of the Notes for U.S. federal income tax purposes are possible. Should an alternative characterization of the Notes cause payments with respect to the Notes to become subject to

withholding tax, we will withhold tax at the applicable statutory rate and we will not make payments of any additional amounts. Both U.S. and non-U.S. holders should consult their tax advisors regarding the U.S. federal income tax consequences of an investment in the Notes, as well as any tax consequences arising under the laws of any state, local or non-U.S. taxing jurisdiction (including that of TD and the issuers of the Basket Component Constituents).

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### Supplemental Plan of Distribution (Conflicts of Interest)

We have appointed TDS, an affiliate of TD, as the agent for the sale of the Notes. Pursuant to the terms of a distribution agreement, TDS will purchase the Notes from TD at the public offering price less the underwriting discount set forth on the cover page of this pricing supplement for distribution to GS&Co., or will offer the Notes directly to investors. GS&Co. and its affiliates will receive a discount of \$17.50 per \$1,000 principal amount, comprised of \$2.50 of fees and \$15.00 of selling commission for Notes that it sells to investors. The Issuer or an affiliate expects to enter into swap agreements or related hedge transactions with Goldman Sachs International and/or its affiliates in connection with the sale of the Notes, and Goldman Sachs International and/or an affiliate may earn income as a result of payments pursuant to the swap, or the related hedge transactions. See “Supplemental Plan of Distribution (Conflicts of Interest)” in the product prospectus supplement. TD will reimburse TDS for certain expenses in connection with its role in the offer and sale of the Notes, and TD will pay TDS a fee in connection with its role in the offer and sale of the Notes.

We expect that delivery of the Notes will be made against payment for the Notes on or about [ ], which is the fifth (5th) Business Day following the Pricing Date (this settlement cycle being referred to as “T+5”). Under Rule 15c6-1 of the Securities Exchange Act of 1934, trades in the secondary market generally are required to settle in three Business Days, unless the parties to any such trade expressly agree otherwise. Accordingly, if the initial settlement of the Notes occurs more than three Business Days from the Pricing Date, purchasers who wish to trade the Notes more than three Business Days prior to the Issue Date will be required to specify alternative settlement arrangements to prevent a failed settlement.

*Conflicts of Interest.* TDS is an affiliate of TD and, as such, has a “conflict of interest” in this offering within the meaning of Financial Industry Regulatory Authority, Inc. (“FINRA”) Rule 5121. In addition, TD will receive the net proceeds (excluding the underwriting discount) from the initial public offering of the Notes, thus creating an additional conflict of interest within the meaning of FINRA Rule 5121. Consequently, the offering is being conducted in compliance with the provisions of FINRA Rule 5121. TDS is not permitted to sell Notes in this offering to an account over which it exercises discretionary authority without the prior specific written approval of the account holder.

We or GS&Co., or any of our or their respective affiliates, may use this pricing supplement in the initial sale of the Notes. In addition, we or GS&Co. or any of our or their respective affiliates may use this pricing supplement in a market-making transaction in a Note after its initial sale. ***If a purchaser buys the Notes from us or GS&Co. or any of our or their respective affiliates, this pricing supplement is being used in a market-making transaction unless we or GS&Co. or any of our or their respective affiliates informs such purchaser otherwise in the confirmation of sale.***