UBS AG Form 424B2 November 28, 2018

The information in this Preliminary Terms Supplement is not complete and may be changed. We may not sell these Securities until the Final Terms Supplement, the Prospectus Supplement, the accompanying Product Supplement and the Prospectus (collectively, the "Offering Documents") are delivered in final form. The Offering Documents are not an offer to sell these Securities, and we are not soliciting offers to buy these Securities in any state where the offer or sale is not permitted.

Subject to Completion Dated November 27, 2018

#### PRELIMINARY TERMS SUPPLEMENT

Filed Pursuant to Rule 424(b)(2)

Registration Statement No. 333-225551

# **Preliminary Terms Supplement**

# **UBS AG Trigger Phoenix Autocallable Optimization Securities**

UBS AG \$ Securities Linked to the common stock of AT&T Inc. due on or about December 2, 2020

## **Indicative Terms**

Issuer	UBS AG, London Branch \$10.00 per security. The Securities are offered at a minimum investment of 100 Securities at
Principal Amount	\$10.00 per security. The securities are oriered at a minimum investment of 100 securities at \$10.00 per Security (representing a \$1,000 investment) and integral multiples of \$10.00 in excess thereof.
Term	Approximately 24 months, unless called earlier.
Underlying Asset	The common stock of AT&T Inc.
Contingent Coupon	If the closing price of the underlying asset is equal to or greater than the coupon barrier on any observation date, UBS will pay you the contingent coupon applicable to such observation date.
	If the closing price of the underlying asset is less than the coupon barrier on any observation date, the contingent coupon applicable to such observation date will not be payable and UBS will not make any payment to you on the relevant coupon payment date.
	The contingent coupon will be a fixed amount based upon equal quarterly installments at the per annum contingent coupon rate. Contingent coupons are not guaranteed and UBS will not pay you the contingent coupon for any observation date on which the closing price of the underlying asset is less than the coupon barrier. The table below sets forth each observation date and a hypothetical contingent coupon for the Securities. The table below assumes a

contingent coupon rate of 8.07% per annum. The actual contingent coupon rate will be set at the time the trade is placed on the trade date. Amounts in the table below may have been rounded for ease of analysis.

Observation Date* 27-Feb-2019	Contingent Coupon (per security) \$0.2018
28-May-2019	\$0.2018
27-Aug-2019	\$0.2018
27-Nov-2019	\$0.2018
27-Feb-2020	\$0.2018
27-May-2020	\$0.2018
27-Aug-2020	\$0.2018
27-Nov-2020	\$0.2018

\*Observation dates are subject to the market disruption event provisions set forth in the accompanying product supplement.

Contingent Coupon	8.07% to 8.40% per annum (or approximately 2.018% to 2.100% per outstanding quarter). The
Rate	actual contingent coupon rate will be set at the time the trade is placed on the trade date.
	The Securities will be called automatically if the closing price of the underlying asset on any
	observation date is equal to or greater than the initial price. If the Securities are called on any
Automatic Call	observation date, UBS will pay you on the corresponding coupon payment date a cash payment
Feature	per Security equal to your principal amount plus the contingent coupon otherwise due on such
	date pursuant to the contingent coupon feature. No further amounts will be owed to you under
	the Securities.
	If the Securities are not called and the final price is equal to or greater than the trigger price and
	coupon barrier, UBS will pay you a cash payment per Security on the maturity date equal to
	your principal plus the contingent coupon otherwise due on the maturity date.
Payment at Maturity	
(per Security)	If the Securities are not called and the final price is less than the trigger price, UBS will pay you
	a cash payment on the maturity date of significantly less than the principal amount, if anything,
	resulting in a loss of principal that is proportionate to the decline of the underlying asset, for an
	amount equal to $10 + (10 \text{ x underlying return})$ .
	<u>Final Price – Initial Price</u>
Underlying Return	
	Initial Price

**Initial Price** 

Closing Price	On any trading day, the last reported sale price (or, in the case of NASDAQ, the official closing price) of the underlying asset during the principal trading session on the principal national securities exchange on which it is listed for trading, as determined by the calculation agent.
	The closing price of the underlying asset on the trade date, as determined by the calculation agent and as may be adjusted in the case of certain corporate events, as described in the accompanying product supplement.
Trigger Price/Coupon Barrier	Both 75 00% of the initial price of the underlying asset as determined by the calculation
Final Price	The closing price of the underlying asset on the final valuation date, as determined by the calculation agent and subject to adjustments in the case of certain corporate events, as described in the accompanying product supplement.
Trade Date	November 27, 2018
Settlement Date	November 29, 2018
Final Valuation Date	November 27, 2020. The final valuation date may be subject to postponement in the event of a market disruption event, as described in the accompanying product supplement.
Maturity Date	December 2, 2020. The maturity date may be subject to postponement in the event of a market disruption event, as described in the accompanying product supplement.
Coupon Payment Date	Three business days following each observation date, except the coupon payment date for the final valuation date will be the maturity date.
CUSIP	[]
ISIN	[]
Valoren	[]
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The estimated initial value based on an issuance size of approximately \$100,000 of the Securities as of the trade date is expected to be between 93.91% and 96.41% of the issue price to the public for Securities linked to the underlying asset. The range of the estimated initial value of the Securities was determined on the date of this preliminary terms supplement by reference to UBS' internal pricing models, inclusive of the internal funding rate. For more information about secondary market offers and the estimated initial value of the Securities, see "Key Risks - Fair value considerations" and "Key Risks - Limited or no secondary market and secondary market price considerations" in this preliminary terms supplement.

Notice to investors: the Securities are significantly riskier than conventional debt instruments. The issuer is not necessarily obligated to repay the full principal amount of the Securities at maturity, and the Securities may have the same downside market risk as the underlying asset. This market risk is in addition to the credit risk inherent in purchasing a debt obligation of UBS. You should not purchase the Securities if you do not understand or are not comfortable with the significant risks involved in investing in the Securities.

You should carefully consider the risks described under "Key Risks" in this preliminary terms supplement, under "Key Risks" beginning on page 3 of the prospectus supplement and under "Risk Factors" beginning on page PS-9 of the accompanying product supplement before purchasing any Securities. Events relating to any of those risks, or other risks and uncertainties, could adversely affect the market value of, and the return on, your Securities. You may lose a significant portion or all of your initial investment in the Securities. The Securities will not be listed or displayed on any securities exchange or any electronic communications network.

Neither the Securities and Exchange Commission nor any other regulatory body has approved or disapproved of these Securities or passed upon the adequacy or accuracy of this preliminary terms supplement, the previously delivered prospectus supplement, the accompanying product supplement or the accompanying prospectus. Any representation to the contrary is a criminal offense.

The Securities are not bank deposits and are not insured by the Federal Deposit Insurance Corporation or any other governmental agency.

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See "Additional Information about UBS and the Securities" in this preliminary terms supplement. The Securities we are offering will have the terms set forth in the Prospectus Supplement dated November 1, 2018 relating to the Securities, the accompanying product supplement, the accompanying prospectus and this preliminary terms supplement.

Offering of Securities	Issue Price	e to Public	Underwriti	ng Discount	Proceeds	to UBS AG
	Total	Per Security	Total	Per Security	Total	Per Security
Securities linked to the common stock of AT&T Inc.	\$	100%	\$	1.50%	\$	98.50%

# **UBS Financial Services Inc.**

# **UBS Investment Bank**

#### Additional Information About UBS and the Securities

UBS has filed a registration statement (including a prospectus, as supplemented by a product supplement and a prospectus supplement for the Securities) with the Securities and Exchange Commission, or SEC, for the offering for which this preliminary terms supplement relates. Before you invest, you should read these documents and any other documents relating to the Securities that UBS has filed with the SEC for more complete information about UBS and this offering. You may obtain these documents for free from the SEC website at www.sec.gov. Our Central Index Key, or CIK, on the SEC website is 0001114446.

#### You may access these documents on the SEC website at www.sec.gov as follows:

- Prospectus supplement dated November 1, 2018: <u>http://www.sec.gov/Archives/edgar/data/1114446/000091412118002132/ub46175276-424b2.htm</u>
- Market-Linked Securities product supplement dated October 31, 2018: <u>http://www.sec.gov/Archives/edgar/data/1114446/000091412118002085/ub47016353-424b2.htm</u>
- Prospectus dated October 31, 2018: <u>http://www.sec.gov/Archives/edgar/data/1114446/000119312518314003/d612032d424b3.htm</u>

References to "UBS," "we," "our" and "us" refer only to UBS AG and not to its consolidated subsidiaries. In this document, "Trigger Phoenix Autocallable Optimization Securities" or the "Securities" refer to the Securities that are offered hereby. Also, references to the "prospectus supplement" mean the UBS prospectus supplement, dated November 1, 2018, references to "Market-Linked Securities product supplement" mean the UBS product supplement, dated October 31, 2018, relating to the Securities generally, and references to the "accompanying prospectus" mean the UBS prospectus titled "Debt Securities and Warrants", dated October 31, 2018.

This preliminary terms supplement, together with the documents listed above, contains the terms of the Securities and supersedes all other 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 "Key Risks" and in "Risk Factors" in the accompanying product supplement, as the Securities involve risks not associated with conventional debt securities. We urge you to consult your investment, legal, tax, accounting and other advisors before deciding to invest in the Securities

UBS reserves the right to change the terms of, or reject any offer to purchase, the Securities prior to their issuance. In the event of any changes to the terms of the Securities, UBS will notify you and you will be asked to accept such changes in connection with your purchase. You may also choose to reject such changes in which case UBS may reject your offer to purchase.

#### **Key Risks**

An investment in the Securities involves significant risks. Some of the risks that apply to the Securities are summarized here and are comparable to the corresponding risks discussed in the "Key Risks" section of the prospectus supplement, but we urge you to read the more detailed explanation of risks relating to the Securities generally in "Risk Factors" section of the accompanying product supplement. We also urge you to consult your investment, legal, tax, accounting and other advisors before you invest in the Securities.

**Risk of loss at maturity -** The Securities differ from ordinary debt securities in that UBS will not necessarily pay the full principal amount of the Securities at maturity. If the Securities are not called, UBS will repay you the principal amount of your Securities in cash only if the final price of the underlying asset is equal to or greater than the trigger price and will only make such payment at maturity. If the Securities are not called and the final price is less than the trigger price, you will be fully exposed to the negative underlying return and lose a significant portion or all of your initial investment in an amount proportionate to the decline in the price of the underlying asset.

**The contingent repayment of your principal applies only at maturity -** You should be willing to hold your Securities to maturity. If you are able to sell your Securities prior to maturity in the secondary market, you may have to sell them at a loss relative to your initial investment even if the then-current underlying asset price is equal to or greater than the trigger price at that time.

**You may not receive any contingent coupons -** UBS will not necessarily pay periodic contingent coupons on the Securities. If the closing price of the underlying asset on an observation date is less than the coupon barrier, UBS will not pay you the contingent coupon applicable to such observation date. If the closing price of the underlying asset is less than the coupon barrier on each of the observation dates, UBS will not pay you any contingent coupons during the term of, and you will not receive a positive return on, your Securities. Generally, this non-payment of the contingent coupon coincides with a period of greater

risk of principal loss on your Securities.

Your potential return on the Securities is limited and you will not participate in any appreciation of the underlying asset - The return potential of the Securities is limited to the contingent coupon rate, regardless of the appreciation of the underlying asset. In addition, the total return on the Securities will vary based on the number of observation dates on which the requirements of the contingent coupon have been met prior to maturity or an automatic call. Further, if the Securities are called due to the automatic call feature, you will not receive any contingent coupons or any other payment in respect of any observation dates after the applicable call settlement date. Since the Securities could be called as early as the first observation date, the total return on the Securities could be minimal. If the Securities are not called, you will not participate in any appreciation in the price of the underlying asset even though you will be subject to the underlying asset's risk of decline. As a result, the return on an investment in the Securities could be less than the return on a direct investment in the underlying asset.

**Higher contingent coupon rates are generally associated with a greater risk of loss -** Greater expected volatility with respect to the underlying asset reflects a higher expectation as of the trade date that the price of such underlying asset could close below its trigger price on the final valuation date of the Securities. This greater expected risk will generally be reflected in a higher contingent coupon rate for that Security. However, an underlying asset's volatility can change significantly over the term of the Securities and the price of the underlying asset for your Securities could fall sharply, which could result in a significant loss of principal.

**Reinvestment risk** - The Securities will be called automatically if the closing price of the underlying asset is equal to or greater than the initial price on any observation date. In the event that the Securities are called prior to maturity, there is no guarantee that you will be able to reinvest the proceeds from an investment in the Securities at a comparable rate of return for a similar level of risk. To the extent you are able to reinvest such proceeds in an investment comparable to the Securities, you will incur transaction costs and the original issue price for such an investment is likely to include certain built-in costs such as dealer discounts and hedging costs.

**Greater expected volatility generally indicates an increased risk of loss at maturity -** "Volatility" refers to the frequency and magnitude of changes in the price of the underlying asset. The greater the expected volatility of the underlying asset as of the trade date, the greater the expectation is as of the trade date that the closing price of the underlying asset could be less than the coupon barrier on any observation date and that the final price of the underlying asset could be less than the trigger price on the final valuation date and, as a consequence, indicates an increased risk of loss. However, the underlying asset's volatility can change significantly over the term of the Securities, and a relatively lower coupon barrier and/or trigger price may not necessarily indicate that the Securities have a greater likelihood of a return of principal at maturity. You should be willing to accept the downside market risk of the underlying asset and the potential to lose a significant portion or all of your initial investment.

**Credit risk of UBS -** The Securities are unsubordinated, unsecured debt obligations of the issuer, UBS, and are not, either directly or indirectly, an obligation of any third party. Any payment to be made on the Securities,

including any repayment of principal, depends on the ability of UBS to satisfy its obligations as they come due. As a result, the actual and perceived creditworthiness of UBS may affect the market value of the Securities and, in the event UBS were to default on its obligations, you may not receive any amounts owed to you under the terms of the Securities and you could lose your entire investment.

**Market risk** - The price of the underlying asset can rise or fall sharply due to factors specific to that underlying asset and (i) in the case of common stock or American depositary receipts, its issuer (the "underlying asset issuer") or (ii) in the case of an exchange traded fund, the securities, futures contracts or physical commodities constituting the assets of that underlying asset. These factors include price volatility, earnings, financial conditions, corporate, industry and regulatory developments, management changes and decisions and other events, as well as general market factors, such as general market volatility and levels, interest rates and economic and political conditions. You, as an investor in the Securities, should make your own investigation into the underlying asset issuer and the underlying asset for your Securities. **We urge you to review financial and other information filed periodically by the underlying asset issuer with the SEC.** 

#### • Fair value considerations.

The issue price you pay for the Securities will exceed their estimated initial value - The issue price you pay for the Securities will exceed their estimated initial value as of the trade date due to the inclusion in the issue price of the underwriting discount, hedging costs, issuance costs and projected profits. As of the close of the relevant markets on the trade date, we will determine the estimated initial value of the Securities by reference to our internal pricing models and it will be set forth in the final terms supplement. The pricing models used to determine the estimated initial value of the Securities incorporate certain variables, including the price, volatility and expected dividends on the underlying asset, prevailing interest rates, the term of the Securities and our internal funding rate. Our internal funding rate is typically lower than the rate we would pay to issue conventional fixed or floating rate debt securities of a similar term. The underwriting discount, hedging costs, issuance costs, projected profits and the difference in rates will reduce the economic value of the Securities to you. Due to these factors, the estimated initial value of the Securities as of the trade date will be less than the issue price you pay for the Securities.

The estimated initial value is a theoretical price; the actual price that you may be able to sell your Securities in any secondary market (if any) at any time after the trade date may differ from the estimated initial value - The value of your Securities at any time will vary based on many factors, including the factors described above and in "- Market risk" above and is impossible to predict. Furthermore, the pricing models that we use are proprietary and rely in part on certain assumptions about future events, which may prove to be incorrect. As a result, after the trade date, if you attempt to sell the Securities in the secondary market, the actual value you would receive may differ, perhaps materially, from the estimated initial value of the Securities does not represent a minimum or maximum price at which we or any of our affiliates would be willing to purchase your Securities in any secondary market at any time.

Our actual profits may be greater or less than the differential between the estimated initial value and the issue price of the Securities as of the trade date - We may determine the economic terms of the Securities, as well as

hedge our obligations, at least in part, prior to pricing the Securities on the trade date. In addition, there may be ongoing costs to us to maintain and/or adjust any hedges and such hedges are often imperfect. Therefore, our actual profits (or potentially, losses) in issuing the Securities cannot be determined as of the trade date and any such differential between the estimated initial value and the issue price of the Securities as of the trade date does not reflect our actual profits. Ultimately, our actual profits will be known only at the maturity of the Securities.

#### •Limited or no secondary market and secondary market price considerations.

There may be little or no secondary market for the Securities - The Securities will not be listed or displayed on any securities exchange or any electronic communications network. There can be no assurance that a secondary market for the Securities will develop. UBS Securities LLC and its affiliates may make a market in each offering of the Securities, although they are not required to do so and may stop making a market at any time. If you are able to sell your Securities prior to maturity, you may have to sell them at a substantial loss. The estimated initial value of the Securities does not represent a minimum or maximum price at which we or any of our affiliates would be willing to purchase your Securities in any secondary market at any time. The price at which UBS Securities LLC and its affiliates may offer to buy the Securities in the secondary market (if any) may be greater than UBS' valuation of the Securities at that time, greater than any other secondary market prices provided by unaffiliated dealers (if any) and, depending on your broker, greater than the valuation provided on your customer account statements - For a limited period of time following the issuance of the Securities, UBS Securities LLC or its affiliates may offer to buy or sell such Securities at a price that exceeds (i) our valuation of the Securities at that time based on our internal pricing models, (ii) any secondary market prices provided by unaffiliated dealers (if any) and (iii) depending on your broker, the valuation provided on customer account statements. The price that UBS Securities LLC may initially offer to buy such Securities following issuance will exceed the valuations indicated by our internal pricing models due to the inclusion for a limited period of time of the aggregate value of the underwriting discount, hedging costs, issuance costs and theoretical projected trading profit. The portion of such amounts included in our price will decline to zero on a straight line basis over a period ending no later than the date specified under "Supplemental Plan of Distribution (Conflicts of Interest): Secondary Markets (if any)." Thereafter, if UBS Securities LLC or an affiliate makes secondary markets for the Securities, it will do so at prices that reflect our estimated value determined by reference to our internal pricing models at that time. The temporary positive differential relative to our internal pricing models arises from requests from and arrangements made by UBS Securities LLC with the selling agents of structured debt securities such as the Securities. As described above, UBS Securities LLC and its affiliates are not required to make a market for the Securities and may stop making a market at any time. The price at which UBS Securities LLC or an affiliate may make secondary markets at any time (if at all) will also reflect its then current bid-ask spread for similar sized trades of structured debt securities. UBS Financial Services Inc. and UBS Securities LLC reflect this temporary positive differential on their customer statements. Investors should inquire as to the valuation provided on customer account statements provided by unaffiliated dealers.

**Price of Securities prior to maturity** - The market price of the Securities will be influenced by many unpredictable and interrelated factors, including the price of the underlying asset; the volatility of the underlying asset; the dividend rate paid on the underlying asset; the time remaining to the maturity of the Securities; interest rates in the markets; geopolitical conditions and economic, financial, political, force majeure and regulatory or judicial events; the creditworthiness of UBS and the then current bid-ask spread for the Securities. **Impact of fees and the use of internal funding rates rather than secondary market credit spreads on secondary market prices** - All other things being equal, the use of the internal funding rates described above under "- Fair value considerations" as well as the inclusion in the issue price of the underwriting discount, hedging costs, issuance costs and any projected profits are, subject to the temporary mitigating effect of UBS Securities LLC's and its affiliates' market making premium, expected to reduce the price at which you may be able to sell the Securities in any secondary market.

Owning the Securities is not the same as owning the underlying asset - The return on your Securities may not reflect the return you would realize if you actually owned the underlying asset. For instance, you will not receive or • be entitled to receive any dividend payments or other distributions on the underlying asset over the term of your Securities. Furthermore, the underlying asset may appreciate substantially during the term of your Securities and you will not participate in such appreciation.

No assurance that the investment view implicit in the Securities will be successful - It is impossible to predict whether and the extent to which the price of the underlying asset will rise or fall. The price of the underlying asset • will be influenced by complex and interrelated political, economic, financial and other factors that affect the

underlying asset issuer. You should be willing to accept the risks of owning equities in general and the underlying asset in particular, and the risk of losing a significant portion or all of your initial investment.

There is no affiliation between the underlying asset issuer, or for Securities linked to exchange traded funds, the issuers of the constituent stocks comprising the underlying asset (the "underlying asset constituent stock issuers"), and UBS, and UBS is not responsible for any disclosure by such issuer(s) - We and our affiliates may currently, or from time to time in the future engage in business with the underlying asset issuer or, if applicable, any underlying asset constituent stock issuers. However, we are not affiliated with the underlying asset issuer or any underlying asset constituent stock issuers and are not responsible for such issuer's public disclosure of information, whether contained in SEC filings or otherwise. You, as an investor in the Securities, should make your own investigation into the underlying asset issuer or, if applicable, each underlying asset constituent stock issuer. Neither the underlying asset issuer nor any underlying asset constituent stock issuer or, if applicable, each underlying asset constituent stock issuer. Neither the underlying asset issuer nor any underlying asset constituent stock issuer is involved in the Securities offered hereby in any way and has no obligation of any sort with respect to your Securities. Such issuer(s) have no obligation to take your interests into consideration for any reason, including when taking any corporate actions that might affect the value of, and any amounts payable on, your Securities.

• The calculation agent can make adjustments that affect the payment to you at maturity- For certain corporate events affecting the underlying asset, the calculation agent may make adjustments to the initial price, the coupon barrier, the trigger price and/or the final price of the underlying asset. However, the calculation agent will not make an adjustment in response to all events that could affect the underlying asset. If an event occurs that does not require the calculation agent to make an adjustment, the value of the Securities may be materially and adversely affected. In addition, all determinations and calculations concerning any such adjustments will be made by the calculation agent. You should be aware that the calculation agent may make any such adjustment, determination or calculation in a manner that differs from that discussed in the accompanying product supplement as necessary to achieve an equitable result. In the case of common stock or American depositary receipts, following certain corporate events relating to the issuer of the underlying asset where the issuer is not the surviving entity, the amount of cash you receive at maturity may be based on the common stock or American depositary receipts of a successor to the underlying asset issuer in combination with any cash or any other assets distributed to holders of the underlying

asset in such corporate event. Additionally, if the issuer of the underlying asset becomes subject to (i) a reorganization event whereby the underlying asset is exchanged solely for cash, (ii) a merger or consolidation with UBS or any of its affiliates or (iii) an underlying asset is delisted or otherwise suspended from trading, the amount you receive at maturity may be based on the common stock or American depositary receipts issued by another company. In the case of an exchange traded fund, following a suspension from trading or if an exchange traded fund is discontinued, the amount you receive at maturity may be based on a share of another exchange traded fund. The occurrence of these corporate events and the consequent adjustments may materially and adversely affect the value of the Securities. For more information, see the sections "General Terms of the Securities -- Antidilution Adjustments for Securities Linked to an Underlying Asset or Equity Basket Asset" and " --Reorganization Events for Securities Linked to an Underlying Asset or Equity Basket Asset" in the accompanying product supplement. Regardless of the occurrence of one or more dilution or reorganization events, you should note that at maturity UBS will pay you an amount in cash equal to your principal amount, unless the final price of the underlying asset is below the trigger price (as such trigger price may be adjusted by the calculation agent upon occurrence of one or more such events). Regardless of any of the events discussed above, any payment on the Securities is subject to the creditworthiness of UBS.

**Potential UBS impact on the market price of the underlying asset** - Trading or transactions by UBS or its affiliates in the underlying asset and/or over-the-counter options, futures or other instruments with returns linked to the performance of the underlying asset may adversely affect the market price of the underlying asset and, therefore, the market value of, and any amounts payable on, your Securities.

Potential conflict of interest - UBS and its affiliates may engage in business with the issuer of the underlying asset, which may present a conflict between the obligations of UBS and you, as a holder of the Securities. There are also potential conflicts of interest between you and the calculation agent, which will be an affiliate of UBS. The calculation agent will determine whether the final price is below the trigger price and accordingly the payment at maturity on your Securities. The calculation agent may also postpone the determination of the final price and the maturity date if a market disruption event occurs and is continuing on the final valuation date and may make adjustments to the initial price, the trigger price, the coupon barrier, the final price and/or the underlying asset itself for certain corporate events affecting the underlying asset. For more information, see the sections "General Terms of the Securities -- Antidilution Adjustments for Securities Linked to an Underlying Asset or Equity Basket Asset" and " -- Reorganization Events for Securities Linked to an Underlying Asset or Equity Basket Asset" in the accompanying product supplement. As UBS determines the economic terms of the Securities, including the contingent coupon rate, trigger price and coupon barrier, and such terms include the underwriting discount, hedging costs, issuance costs and projected profits, the Securities represent a package of economic terms. There are other potential conflicts of interest insofar as an investor could potentially get better economic terms if that investor entered into exchange-traded and/or OTC derivatives or other instruments with third parties, assuming that such instruments were available and the investor had the ability to assemble and enter into such instruments.

**Potentially inconsistent research, opinions or recommendations by UBS -** UBS and its affiliates publish research from time to time on financial markets and other matters that may influence the value of the Securities, or express opinions or provide recommendations that are inconsistent with purchasing or holding the Securities. Any research, opinions or recommendations expressed by UBS or its affiliates may not be consistent with each other and

- may be modified from time to time without notice. Investors should make their own independent investigation of the merits of investing in the Securities and the underlying asset to which the Securities are linked. **The Securities are not bank deposits -** An investment in the Securities carries risks which are very different from the rick profile of a bank deposit placed with LIPS or its affiliates. The Securities have different yield and/or return
- the risk profile of a bank deposit placed with UBS or its affiliates. The Securities have different yield and/or return, liquidity and risk profiles and would not benefit from any protection provided to deposits.

• If UBS experiences financial difficulties, FINMA has the power to open restructuring or liquidation proceedings in respect of, and/or impose protective measures in relation to, UBS, which proceedings or measures may have a material adverse effect on the terms and market value of the Securities and/or the ability of UBS to make payments thereunder - The Swiss Financial Market Supervisory Authority ("FINMA") has broad statutory powers to take measures and actions in relation to UBS if (i) it concludes that there is justified concern that UBS is over-indebted or has serious liquidity problems or (ii) UBS fails to fulfil the applicable capital adequacy requirements (whether on a standalone or consolidated basis) after expiry of a deadline set by FINMA. If

one of these pre-requisites is met, FINMA is authorized to open restructuring proceedings or liquidation (bankruptcy) proceedings in respect of, and/or impose protective measures in relation to, UBS. The Swiss Banking Act grants significant discretion to FINMA in connection with the aforementioned proceedings and measures. In particular, a broad variety of protective measures may be imposed by FINMA, including a bank moratorium or a maturity postponement, which measures may be ordered by FINMA either on a stand-alone basis or in connection with restructuring or liquidation proceedings. The resolution regime of the Swiss Banking Act is further detailed in the FINMA Banking Insolvency Ordinance ("BIO-FINMA"). In a restructuring proceeding, FINMA, as resolution authority, is competent to approve the resolution plan. The resolution plan may, among other things, provide for (a) the transfer of all or a portion of UBS's assets, debts, other liabilities and contracts (which may or may not include the contractual relationship between UBS and the holders of Securities) to another entity, (b) a stay (for a maximum of two business days) on the termination of contracts to which UBS is a party, and/or the exercise of (w) rights to terminate, (x) netting rights, (y) rights to enforce or dispose of collateral or (z) rights to transfer claims, liabilities or collateral under contracts to which UBS is a party, (c) the conversion of UBS's debt and/or other obligations, including its obligations under the Securities, into equity (a "debt-to-equity" swap), and/or (d) the partial or full write-off of obligations owed by UBS (a "write-off"), including its obligations under the Securities. The BIO-FINMA provides that a debt-to-equity swap and/or a write-off of debt and other obligations (including the Securities) may only take place after (i) all debt instruments issued by UBS qualifying as additional tier 1 capital or tier 2 capital have been converted into equity or written-off, as applicable, and (ii) the existing equity of UBS has been fully cancelled. While the BIO-FINMA does not expressly address the order in which a write-off of debt instruments other than debt instruments qualifying as additional tier 1 capital or tier 2 capital should occur, it states that debt-to-equity swaps should occur in the following order: first, all subordinated claims not qualifying as regulatory capital; second, all other claims not excluded by law from a debt-to-equity swap (other than deposits); and third, deposits (in excess of the amount privileged by law). However, given the broad discretion granted to FINMA as the resolution authority, any restructuring plan in respect of UBS could provide that the claims under or in connection with the Securities will be partially or fully converted into equity or written-off, while preserving other obligations of UBS that rank pari passu with, or even junior to, UBS's obligations under the Securities. Consequently, holders of Securities may lose all of some of their investment in the Securities. In the case of restructuring proceedings with respect to a systemically important Swiss bank (such as UBS), the creditors whose claims are affected by the restructuring plan will not have a right to vote on, reject, or seek the suspension of the restructuring plan. In addition, if a restructuring plan has been approved by FINMA, the rights of a creditor to seek judicial review of the restructuring plan (e.g., on the grounds that the plan would unduly prejudice the rights of holders of Securities or otherwise be in violation of the Swiss Banking Act) are very limited. In particular, a court may not suspend the implementation of the restructuring plan. Furthermore, even if a creditor successfully challenges the restructuring plan, the court can only require the relevant creditor to be compensated ex post and there is currently no guidance as to on what basis such compensation would be calculated or how it would be funded.

**Dealer incentives -** UBS and its affiliates act in various capacities with respect to the Securities. We and our affiliates may act as a principal, agent or dealer in connection with the sale of the Securities. Such affiliates, including the sales representatives, will derive compensation from the distribution of the Securities and such compensation may serve as an incentive to sell these Securities instead of other investments. We will pay total underwriting compensation of 1.50% per Security to any of our affiliates acting as agents or dealers in connection with the distribution of the Securities. Given that UBS Securities LLC and its affiliates temporarily maintain a market making premium, it may have the effect of discouraging UBS Securities LLC and its affiliates from recommending sale of your Securities in the secondary market.

**Uncertain tax treatment -** Significant aspects of the tax treatment of the Securities are uncertain. You should read carefully the sections entitled "What are the Tax Consequences of the Securities" herein and in the prospectus supplement and "Material U.S. Federal Income Tax Consequences" in the accompanying product supplement, and consult your tax advisor about your tax situation.

#### Information about the Underlying Asset

All disclosures regarding the underlying asset are derived from publicly available information. UBS has not conducted any independent review or due diligence of any publicly available information with respect to the underlying asset. You should make your own investigation into the underlying asset.

The underlying asset will be registered under the Securities Act of 1933, the Securities Exchange Act of 1934 (as amended, the "Exchange Act") and/or the Investment Company Act of 1940, each as amended. Companies with securities registered with the SEC are required to file financial and other information specified by the SEC periodically. Information filed by the underlying asset issuer with the SEC can be reviewed electronically through a website maintained by the SEC. The address of the SEC's website is http://www.sec.gov. Information filed with the SEC by the underlying asset issuer can be located by reference to its SEC file number provided below. In addition, information filed with the SEC can be inspected and copied at the Public Reference Section of the SEC, 100 F Street, N.E., Room 1580, Washington, D.C. 20549. Copies of this material can also be obtained from the Public Reference Section, at prescribed rates.

#### AT&T Inc.

According to publicly available information, AT&T Inc. ("AT&T") is a provider of communications and digital entertainment services, including wireless and wireline communications services, data/broadband and voice; digital video services, telecommunications equipment; managed networking; and wholesale services, to consumers, businesses and other providers of telecommunications services. On June 14, 2018, AT&T completed its acquisition of Time Warner Inc. ("Time Warner"), with Time Warner shareholders receiving shares of AT&T common stock and cash for each share of Time Warner stock. Information filed by AT&T with the SEC can be located by reference to its SEC file number: 001-08610, or its CIK Code: 0000732717. AT&T's website is att.com. AT&T's common stock is listed on the New York Stock Exchange under the ticker symbol "T."

Information from outside sources is not incorporated by reference in, and should not be considered part of, this preliminary terms supplement or any accompanying prospectus. UBS has not conducted any independent review or due diligence of any publicly available information with respect to the underlying asset.

#### **Historical Information**

The following table sets forth the quarterly high and low closing prices for AT&T's common stock, based on daily closing prices on the primary exchange for AT&T. We obtained the closing prices below from Bloomberg Professional service ("Bloomberg"), without independent verification. The closing prices may be adjusted by Bloomberg for corporate actions such as stock splits, public offerings, mergers and acquisitions, spin-offs, extraordinary dividends, delistings and bankruptcy. UBS has not undertaken an independent review or due diligence of any publicly available information obtained from Bloomberg. AT&T's closing price on November 26, 2018 was \$29.95. The actual initial price will be the closing price of AT&T's common stock on the trade date. **Past performance of the underlying asset is not indicative of the future performance of the underlying asset.** 

Quarter Begin	Quarter End	Quarterly High	Quarterly Low	Quarterly Close
01/02/2014	03/31/2014	\$35.07	\$31.86	\$35.07

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04/01/2014	06/30/2014	\$36.74	\$34.49	\$35.36
07/01/2014	09/30/2014	\$36.59	\$34.21	\$35.24
10/01/2014	12/31/2014	\$35.90	\$32.14	\$33.59
01/02/2015	03/31/2015	\$34.87	\$32.62	\$32.65
04/01/2015	06/30/2015	\$36.18	\$32.51	\$35.52
07/01/2015	09/30/2015	\$35.77	\$31.80	\$32.58
10/01/2015	12/31/2015	\$34.93	\$32.31	\$34.41
01/04/2016	03/31/2016	\$39.45	\$33.51	\$39.17
04/01/2016	06/30/2016	\$43.21	\$37.86	\$43.21
07/01/2016	09/30/2016	\$43.47	\$39.71	\$40.61
10/03/2016	12/30/2016	\$42.73	\$36.13	\$42.53
01/03/2017	03/31/2017	\$43.02	\$40.61	\$41.55
04/03/2017	06/30/2017	\$41.69	\$37.46	\$37.73

07/03/2017

§ The public offering price you pay for the notes exceeds the initial estimated value. The difference is due to the inclusion in the public offering price of the underwriting discount and the estimated cost of hedging our obligations under the notes (which includes the hedging related charge described below), all as further described in "Structuring the Notes" on page TS-17. These factors are expected to reduce the price at which you may be able to sell the notes in any secondary market and, together with various credit, market and economic factors over the term of the notes, including changes in the value of the Basket, will affect the value of the notes in complex and unpredictable ways.

- § The initial estimated value of the notes on the pricing date does not represent the price at which we, MLPF&S, or any of our respective affiliates would be willing to purchase your notes in the secondary market at any time. Assuming no changes in market conditions or our creditworthiness and other relevant factors, the price, if any, at which we, MLPF&S, or any of our respective affiliates would be willing to purchase the notes from you in secondary market transactions, if at all, would generally be lower than both the public offering price and the initial estimated value of the notes on the pricing date. MLPF&S has advised us that any repurchases by them or their affiliates will be made at prices determined by reference to their pricing models and at their discretion. These prices will include MLPF&S's trading commissions and mark-ups and may differ materially from the initial estimated value of the notes determined by reference to our internal funding rate and pricing models.
- §A trading market is not expected to develop for the notes. None of us, MLPF&S, or any of our respective affiliates is obligated to make a market for, or to repurchase, the notes. There is no assurance that any party will be willing to purchase your notes at any price in any secondary market.
- § Our business, hedging and trading activities, and those of MLPF&S and our respective affiliates (including trading in shares of the Basket Components or securities held by the Basket Components), and any hedging and trading activities we, MLPF&S or our respective affiliates engage in for our clients' accounts, may affect the market value and return of the notes and may create conflicts of interest with you. Our economic interests in determining the initial estimated value of the notes on the pricing date and the price, if any, at which we or our affiliates would be willing to purchase the notes from you in secondary market transactions, are potentially adverse to your interests as an investor in the notes.

- \$Changes in the price of one Basket Component may be offset by changes in the price of the other Basket Component.
- § The sponsor of the underlying indices described below (each, an "Underlying Index") may adjust one or both of the Underlying Indices in a way that affects its level or their levels, and has no obligation to consider your interests.
- § The sponsor and investment advisor of the Basket Components may adjust the Basket Components in a way that could adversely affect the value of the notes and the amount payable on the notes, and these entities have no obligation to consider your interests.
- § You will have no rights of a holder of the shares of the Basket Components or the securities held by the Basket Components, and you will not be entitled to receive securities or dividends or other distributions by the issuers of those securities.
- § While we, MLPF&S or our respective affiliates may from time to time own shares of the Basket Components, securities held by the Basket Components, or stocks included in the Underlying Indices, other than our ordinary shares, which are held by the iShares® MSCI EAFE ETF or included in the Underlying Index of the iShares® MSCI EAFE ETF, we, MLPF&S and our respective affiliates do not control any company held by any Basket Component or included in any Underlying Index, and are not responsible for any disclosure made by any company.
  - § There are liquidity and management risks associated with the Basket Components.
  - § The performance of each Basket Component and the performance of the related Underlying Index may vary.
- Risks associated with each Underlying Index or the securities held by the Basket Components will affect the prices of the Basket Components and hence, the value of the notes.
- § Your return on the notes and the value of the notes may be affected by exchange rate movements and factors affecting the international securities markets.
- § The payment on the notes will not be adjusted for all events that could affect a Basket Component. See "Description of the Notes—Anti-Dilution and Discontinuance Adjustments" beginning on page PS-28 of product supplement ETF STR-1.
- §There may be potential conflicts of interest involving the calculation agent. We have the right to appoint and remove the calculation agent.
- § The U.S. federal income tax consequences of an investment in the notes are uncertain, and may be adverse to you. See "Summary Tax Consequences" below and "U.S. Federal Income Tax Consequences" beginning on page PS-37 of product supplement ETF STR-1.

#### Additional Risk Factors

Because the iShares® MSCI Emerging Markets ETF is a Basket Component, an investment in the notes will involve risks that are associated with investments that are linked to the equity securities of issuers from emerging markets

## **UBS** Investment Bank

Many of the issuers included in the Underlying Index of the iShares® MSCI Emerging Markets ETF are based in nations that are undergoing rapid institutional change, including the restructuring of economic, political, financial, and legal systems. Such far-reaching changes have resulted in constitutional and social tensions and, in some cases, instability and reaction against market reforms has occurred. The regulatory and tax environments in these nations may be subject to change without review or appeal, and many emerging markets suffer from underdevelopment of their capital markets and their tax systems. In addition, in some of these nations, issuers of the relevant securities face the threat of expropriation of their assets, and/or nationalization of their businesses. It may be more difficult for an investor in these markets to monitor investments in these companies, because these companies may be subject to fewer disclosure requirements than companies in developed markets, and economic and financial data about some of these countries may be unreliable. Political or economic instability could affect the value of the securities and the amount payable to you on the notes.

## The Basket

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

For more information on the calculation of the value of the Basket, please see the section entitled "Description of the Notes—Basket Market Measures" beginning on page PS-32 of product supplement ETF STR-1.

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

Basket Component	Bloomberg Symbol	Initial Component Weight	Closing Market Price(1)	Component Ratio(2)	Initial Basket Value Contribution
iShares® MSCI EAFE ETF	EFA	50.00%	67.16	0.74449077	50.00
iShares® MSCI Emerging Markets ETF	EEM	50.00%	43.14	1.15901715	50.00
				Starting Value	100.00

(1) These were the Closing Market Prices of the Basket Components on the pricing date.
(2)Each Component Ratio equals the Initial Component Weight of the relevant Basket Component (as a percentage) multiplied by 100, and then divided by the Closing Market Price of that Basket Component on the pricing date and rounded to eight decimal places.

The calculation agent will calculate the value of the Basket on each Observation Date by summing the products of (i) the Closing Market Price, multiplied by its respective Price Multiplier, for each Basket Component on that day and (ii) the Component Ratio applicable to that Basket Component. If a Market Disruption Event occurs with respect to a Basket Component on any scheduled Observation Date, the Closing Market Price of that Basket Component will be determined as more fully described beginning on page PS-33 of product supplement ETF STR-1 in the section entitled "Description of the Notes—Basket Market Measures—Observation Level of the Basket."

The Price Multiplier for each Basket Component was set to 1 on the pricing date, and is subject to adjustment for certain events relating to that Basket Component. See the section entitled "Description of the Notes—Anti-Dilution and Discontinuance Adjustments—Anti-Dilution Adjustments" beginning on page PS-28 of product supplement ETF STR-1.

While actual historical information on the Basket did not exist before the pricing date, the following graph sets forth the hypothetical historical performance of the Basket from January 2008 through April 2015. The graph is based upon actual daily historical prices of the Basket Components, hypothetical Component Ratios based on the Closing Market Prices of the Basket Components as of December 31, 2007, and a Basket value of 100.00 as of that date. The value of the Basket on any day during this period is calculated as if such day were an Observation Date. This hypothetical historical data on the Basket is not necessarily indicative of the future performance of the Basket or what the value of the notes may be. Any hypothetical historical upward or downward trend in the value of the Basket during any period set forth below is not an indication that the value of the Basket is more or less likely to increase or decrease at any time over the term of the notes.

Hypothetical Historical Performance of the Basket

## The Basket Components

We have derived the following information from publicly available documents prepared by iShares, Inc. ("iShares"), a registered investment company and MSCI Inc. ("MSCI"), the sponsor of the Underlying Indices. We make no representation or warranty as to the accuracy or completeness of the following information. We are not affiliated with either Basket Component, and neither Basket Component will have any obligations with respect to the notes. This term sheet relates only to the notes and does not relate to the shares of either Basket Component or securities included in either of the Underlying Indices described below. Neither we nor MLPF&S has or will participate in the preparation of the publicly available documents described below. Neither we nor MLPF&S has made any due diligence inquiry with respect to either Basket Component in connection with the offering of the notes. There can be no assurance that all events occurring prior to the date of this term sheet, including events that would affect the accuracy or completeness of the publicly available documents described below, that would affect the trading price of the shares of the Basket Components have been or will be publicly disclosed. Subsequent disclosure of any events or the disclosure of or failure to disclose material future events concerning the Basket Components could affect the value of the shares of the Basket Components on each Observation Date and therefore could affect your return on the notes.

iShares consists of numerous separate investment portfolios, including the Basket Components. The Basket Components typically earn income dividends from securities included in the applicable Underlying Index. These amounts, net of expenses and taxes (if applicable), are passed along to the Basket Component's shareholders as "ordinary income." In addition, each Basket Component realizes capital gains or losses whenever it sells securities. Net long-term capital gains are distributed to shareholders as "capital gain distributions." However, because your notes are linked only to the share price of the Basket Components, you will not be entitled to receive income, dividend, or capital gain distributions from the Basket Components or any equivalent payments.

Information provided to or filed with the SEC by iShares Trust (the "Trust") pursuant to the Securities Act of 1933 and the Investment Company Act of 1940 can be located at the SEC's facilities or through the SEC's website by reference to SEC file number 333-92935 and 811-09729, respectively. Information provided to or filed with the SEC by iShares pursuant to the Securities Act of 1933 and the Investment Company Act of 1940 can be located at the SEC's facilities or through the SEC's facilities or through the SEC's methods and the Investment Company Act of 1940 can be located at the SEC's facilities or through the SEC's website by reference to SEC file number 033-97598 and 811-09102, respectively. We have not independently verified the accuracy or completeness of the information or reports.

## The iShares® MSCI EAFE ETF

The iShares® MSCI EAFE ETF is intended to provide investment results that correspond generally to the price and yield performance, before fees and expenses, of publicly traded securities in the European, Australian and Far Eastern developed equities markets, as represented by its Underlying Index, the MSCI EAFE Index. This Basket Component trades on NYSE Arca under the ticker symbol "EFA."

The MSCI EAFE Index. The MSCI EAFE Index is intended to measure equity market performance in developed market countries, excluding the U.S. and Canada. The MSCI EAFE Index is a free float-adjusted market capitalization equity index that aims to capture 85% of the (publicly available) total market capitalization. As further discussed below, component companies are adjusted for available float and must meet objective criteria for inclusion in the MSCI EAFE Index, taking into consideration unavailable strategic shareholdings and limitations to foreign ownership. The MSCI EAFE Index has a base date of December 31, 1969 and an initial value of 100. The MSCI EAFE Index is calculated daily in U.S. dollars and published in real time every 60 seconds during market trading hours. As of the

date of this term sheet, the MSCI EAFE Index consists of companies from the following 21 developed countries: Australia, Austria, Belgium, Denmark, Finland, France, Germany, Hong Kong, Ireland, Israel, Italy, Japan, the Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, and the United Kingdom.

The MSCI EAFE Index is part of the MSCI Regional Equity Indices series and is an MSCI Global Investable Market Index, which is a family within the MSCI International Equity Indices.

The iShares® MSCI Emerging Markets ETF

The iShares® MSCI Emerging Markets ETF is intended to provide investment results that correspond generally to the price and yield performance, before fees and expenses, of publicly traded securities in emerging markets, as represented by its Underlying Index, the MSCI Emerging Markets Index. This Basket Component trades on NYSE Arca under the ticker symbol "EEM."

The MSCI Emerging Markets Index. The MSCI Emerging Markets Index is intended to measure equity market performance in the global emerging markets. The MSCI Emerging Markets Index is a free float-adjusted market capitalization index that aims to capture 85% of the (publicly available) total market capitalization. As further discussed below, component companies are adjusted for available float and must meet objective criteria for inclusion in the MSCI Emerging Markets Index, taking into consideration unavailable strategic shareholdings and limitations to foreign ownership. The MSCI Emerging Markets Index has a base date of December 31, 1987 and an initial value of 100. The MSCI Emerging Markets Index is calculated daily in U.S. dollars and published in real time every 60 seconds during market trading hours. As of the date of this term sheet, the MSCI Emerging Markets Index consists of the following 23 emerging market country indices: Brazil, Chile, China, Colombia, the Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Malaysia, Mexico, Peru, the Philippines, Poland, Qatar, Russia, South Africa, South Korea, Taiwan, Thailand, Turkey, and the United Arab Emirates.

The MSCI Emerging Markets Index is part of the MSCI Regional Equity Indices series and is an MSCI Global Investable Market Index, which is a family within the MSCI International Equity Indices.

Strategic Accelerated Redemption Securities®

#### General - iShares® ETFs

Each Basket Component pursues a "representative sampling" indexing strategy in attempting to track the performance of its Underlying Index, and generally does not hold all of the equity securities included in its Underlying Index. Each Basket Component invests in a representative sample of securities that collectively have an investment profile similar to its Underlying Index. Securities selected are expected to have, in the aggregate, investment characteristics (based on factors such as market capitalization and industry weightings), fundamental characteristics (such as return variability and yield) and liquidity measures similar to those of its Underlying Index. Each Basket Component generally invests 90% of its assets in securities of its Underlying Index and depositary receipts representing securities in its Underlying Index, and may invest the remainder of its assets in other securities, including securities not represented in its Underlying Index, but which BlackRock Fund Advisors ("BFA"), the investment advisor for each Basket Component, believes will help to track its Underlying Index, futures, options and swaps contracts related to its Underlying Index as well as cash and cash equivalents, including shares of money market funds advised by BFA or its affiliates.

Each Underlying Index is a theoretical financial calculation, while each Basket Component is an actual investment portfolio. The performance of each Basket Component and its Underlying Index may vary due to transaction costs, foreign currency valuation, asset valuations, corporate actions (such as mergers and spin-offs), timing variances, and differences between such Basket Component's portfolio and its Underlying Index resulting from legal restrictions (such as diversification requirements) that apply to such Basket Component but not to its Underlying Index or the use of representative sampling. A figure of 100% would indicate perfect correlation. "Tracking error" is the difference between the performance (return) of the Basket Component's portfolio and its Underlying Index. Each Basket Component, using a representative sampling indexing strategy, can be expected to have a greater tracking error than a fund using a replication indexing strategy. Replication is an indexing strategy in which a fund invests in substantially all of the securities in its tracked index in approximately the same proportions as in its tracked index.

## General - MSCI Indices

Each Underlying Index is a member of the MSCI Global Investable Market Index family, calculated, maintained and published by MSCI. The current index calculation methodology used to formulate each Underlying Index (the "MSCI Global Investable Market Indices Methodology") was implemented as of June 1, 2008. The MSCI Global Investable Market Indices Methodology involves the following steps:

(i) Defining the Equity Universe. MSCI begins with securities listed in countries included in the MSCI Global Investable Market Indices. As of the date of this term sheet, 23 countries are classified as developed markets and 23 countries as emerging markets. All listed equity securities, including real estate investment trusts and certain income trusts in Canada are eligible for inclusion in the equity universe. Limited partnerships, limited liability companies, and business trusts, which are listed in the U.S. and are not structured to be taxed as limited partnerships, are likewise eligible for inclusion in the equity universe. Conversely, mutual funds, ETFs, equity derivatives and most investment trusts are not eligible for inclusion in the equity universe. Each company and its securities are classified in only one country.

(ii) Determining the Market Investable Equity Universe for Each Market. The equity universe in each market is derived by applying certain investability screens, such as minimum market capitalization, free float, liquidity, permitted foreign holding, length of trading and, for securities subject to a foreign ownership limit, proportion of shares still available to foreign investors relative to the maximum allowed (referred to as "foreign room"), to individual companies and securities in the equity universe of that market. Some investability requirements are applied at the

individual security level and some at the overall company level, represented by the aggregation of individual securities of the company. As a result, the inclusion or exclusion of one security does not imply the automatic inclusion or exclusion of other securities of the same company. MSCI announced on January 15, 2015 that, effective with the November 2015 semi-annual index review, securities traded outside of their issuer's country of classification (i.e., "foreign listings") may become eligible for inclusion in certain MSCI Country Investable Market Indices within the MSCI Global Investable Market Indices. A MSCI Country Investable Market Index is eligible to include foreign listings if it meets the Foreign Listing Materiality Requirement. To meet the "Foreign Listing Materiality Requirement," the aggregate market capitalization of all securities represented by foreign listings should represent at least (i) 5% of the free float-adjusted market capitalization of the MSCI All Country World Index Investable Market Index. MSCI expects that for the November 2015 semi-annual index review, Hong Kong, which is covered by the MSCI EAFE® Index, and China, Peru and Russia (but only selected listings in London and New York), which are covered by the MSCI Emerging Markets Index, will meet the Foreign Listing Materiality Requirement.

(iii) Determining Market Capitalization Size-Segments for Each Market. In each market, MSCI creates an Investable Market Index, Standard Index, Large Cap Index, Mid Cap Index and Small Cap Index (the "Size-Segment Indices"). The Standard Index is the aggregation of the Large Cap Index and the Mid Cap Index. The Investable Market Index is the aggregation of the Standard Index and the Small Cap Index. In order to create size components that can be meaningfully aggregated into composites, individual market size segments balance the following two objectives:

(a) Achieving global size integrity by ensuring that companies of comparable and relevant sizes are included in a given size segment across all markets in the composite universe.

(b) Achieving consistent market coverage by ensuring that each market's size segment is represented in its proportional weight in the composite universe.

(iv) Applying Final Size-Segment Investability Requirements. In order to enhance the replicability of Size-Segment Indices, additional size-segment investability requirements are set for the Investable Market Indices and the Standard Indices. These investability requirements include minimum free float market capitalization and minimum foreign room. Companies that do not meet these investability screens are not included in any of the indices within the MSCI Global Investable Market Index family.

(v) Applying Index Continuity Rules for the Standard Index. In order to achieve index continuity, as well as provide some basic level of diversification within a market index, notwithstanding the effect of other index construction rules, a minimum number of five constituents will be maintained for a developed market Standard Index and a minimum number of three constituents will be maintained for an emerging market Standard Index.

Each Underlying Index is market capitalization weighted adjusted by free float, meaning that each component security is included in the index are at the value of their free public float, as measured based on its foreign inclusion factor (the "Foreign Inclusion Factor"). In cases where other foreign investment restrictions exist that materially limit the ability of international investors to freely invest in a particular equity market, sector or security, a limited investability factor may also be applied to the free float to insure that the investability objectives of the indices can be achieved.

MSCI defines the Foreign Inclusion Factor of a security as the proportion of shares outstanding that are deemed to be available for purchase in the public equity markets by international investors. To determine the Foreign Inclusion Factor of a security, MSCI considers the limitations on the investment opportunities for international investors including: strategic stakes in a company held by private or public shareholders whose investment objective indicates that the shares held are not likely to be available in the market, limits on the proportion of a security's share capital authorized for purchase by non-domestic investors or other foreign investment restrictions which materially limit the ability of foreign investors to freely invest in a particular equity market, sector or security.

A component security's Foreign Inclusion Factor is (i) rounded up to the closest 5% for component securities with free float equal to or exceeding 15% or (ii) rounded up to the closest 1% for component securities with free float less than 15%. For example, a component security with a free float of 23.2% will be included in the index at 25% of its market capitalization. Typically, securities with a Foreign Inclusion Factor of 15% or less will not be eligible for inclusion in MSCI's indices.

For a security that is subject to a foreign ownership limit to be included in an MSCI index at its entire free-float adjusted market capitalization, the proportion of shares still available to foreign investors relative to the maximum allowed, the foreign room, must be at least 25%. If a security's foreign room is less than 25% and equal to or higher than 15%, the foreign inclusion factor for that security will be adjusted downward. Securities will not be eligible for inclusion in the equity universe if the foreign room is less than 15%.

Once the Foreign Inclusion Factor has been determined for a security, the security's total market capitalization is then adjusted by such Foreign Inclusion Factor, resulting in the free float-adjusted market capitalization figure for the security. Market capitalization weighting, combined with a consistent target of capturing 99% of free float-adjusted market capitalization, aims to ensure that each country's weight in the index approximates its weight in the total universe of developed markets and emerging markets.

## Index Maintenance

The MSCI Global Investable Market Indices are maintained with the objective of reflecting, on a timely basis, the

evolution of the underlying equity markets. In maintaining the MSCI Global Investable Market Indices, emphasis is also placed on its continuity, replicability and minimizing index turnover. Among other things, maintaining the MSCI Global Investable Market Indices involves making: additions to and deletions from the index, changes in number of shares and changes in Foreign Inclusion Factors as a result of updated free float estimates.

MSCI classifies index maintenance in three broad categories. The first consists of ongoing event-related changes, such as mergers and acquisitions, which are generally implemented in the indices at the time of event. The second category consists of quarterly index reviews, aimed at promptly reflecting other significant market events. The third category consists of semi-annual full index reviews that systematically re-assess the various dimensions of the equity universe for all markets simultaneously and are conducted on a fixed semi-annual timetable.

Ongoing event-related changes to the indices are the result of mergers, acquisitions, spin-offs, bankruptcies, reorganizations and other similar corporate events. They can also result from capital reorganizations in the form of rights issues, bonus issues, public placements and other similar corporate actions that take place on a continuing basis. These changes are reflected in the MSCI Global Investable Market Indices at the time of the event. All changes resulting from corporate events are announced prior to their implementation, provided all necessary information on the event is available.

The quarterly index review process is designed to ensure that the indices continue to be an accurate reflection of evolving equity markets. This is achieved by a timely reflection of significant market driven changes that were not captured in the index at the time of their actual occurrence but are significant enough to be reflected before the next semi-annual index review. Quarterly index reviews may result in additions or deletions due to migration to another Size Segment Index, additions of new investable companies to the Standard Index, deletions of companies from the Investable Market Indices due to low liquidity and changes in Foreign Inclusion Factor and in number of shares. Changes in the number of shares are generally small and result from, for example, exercise of options or warrants, conversion of convertible bonds or other instruments or share buybacks. The implementation of changes resulting from quarterly index reviews as of the close of the last business day of each February and August. The results of the quarterly index reviews are announced at least two weeks prior to their implementation.

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The objective of the semi-annual index review is to systematically reassess the various dimensions of the equity universe for all markets simultaneously. During each semi-annual index review, the equity universe is updated and the minimum size guidelines are recalculated for each segment market. Then, the following index maintenance activities are undertaken for each market: updating the market investable equity universe; recalculating the global minimum size references and global minimum size ranges; reassessing the number of companies in each segment and the market size-segment cutoffs; assigning companies to the size-segments; and assessing conformity with the final size-segment investability requirements. The results of the semi-annual index reviews are announced at least two weeks in advance of their effective implementation dates as of the close of the last business day of May and November.

#### Market Reclassifications

During an annual market classification review, MSCI analyzes and seeks feedback on those markets it has placed under review for potential market reclassification, based on extensive discussions with the investment community. MSCI examines each country's economic development, size, liquidity and market accessibility in order to be classified in a given investment market (i.e. stand-alone, frontier, emerging or developed market). Each June, MSCI communicates its conclusions from discussions with the investment community on the list of countries under review and announces the new list of countries, if any, under review for potential market reclassification in the upcoming cycle.

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Historical Data of the iShares® MSCI EAFE ETF

The following table sets forth the quarterly high and low closing prices of the shares of the iShares® MSCI EAFE ETF from the first quarter of 2008 through the pricing date. The closing prices listed below were obtained from publicly available information at Bloomberg Financial Markets, rounded to two decimal places. The historical closing prices of shares of the iShares® MSCI EAFE ETF should not be taken as an indication of future performance, and we cannot assure you that the price per share of the iShares® MSCI EAFE ETF will not decrease at any time over the term of the notes.

		High (\$)	Low (\$)
2008	First Quarter	78.35	68.31
	Second Quarter	78.52	68.10
	Third Quarter	68.04	53.08
	Fourth Quarter	55.88	35.71
2009	First Quarter	45.44	31.69
	Second Quarter	49.04	38.57
	Third Quarter	55.81	43.91
	Fourth Quarter	57.28	52.66
2010	E'est Ossertur	57.00	50.45
2010	First Quarter	57.96	50.45
	Second Quarter	58.03	46.29
	Third Quarter	55.42	47.09
	Fourth Quarter	59.46	54.25
2011	First Quarter	61.91	55.31
	Second Quarter	63.87	57.10
	Third Quarter	60.80	46.66
	Fourth Quarter	55.57	46.45
2012	First Quarter	55.80	49.15
	Second Quarter	55.51	46.55
	Third Quarter	55.15	47.62
	Fourth Quarter	56.88	51.96
2013	First Overton	59.89	56.90
2015	First Quarter	63.53	57.03
	Second Quarter	65.05	57.05 57.55
	Third Quarter	63.03 67.06	62.71
	Fourth Quarter	07.00	02.71
2014	First Quarter	68.03	62.31
	Second Quarter	70.67	66.26
	Third Quarter	69.25	64.12
	Fourth Quarter	64.51	59.53

2015	First Quarter	65.99	58.48
	Second Quarter (through the pricing date)	67.81	64.63

Before investing in the notes, you should consult publicly available sources for the prices and trading pattern of the shares of the iShares® MSCI EAFE ETF.

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Historical Data of the iShares® MSCI Emerging Markets ETF

The following table sets forth the quarterly high and low closing prices of the shares of the iShares® MSCI Emerging Markets ETF from the first quarter of 2008 through the pricing date. The closing prices listed below were obtained from publicly available information at Bloomberg Financial Markets, rounded to two decimal places. The historical closing prices of shares of the iShares® MSCI Emerging Markets ETF should not be taken as an indication of future performance, and we cannot assure you that the price per share of the iShares® MSCI Emerging Markets ETF will not decrease at any time over the term of the notes.

		High (\$)	Low (\$)
2008	First Quarter	50.37	42.17
	Second Quarter	51.70	44.43
	Third Quarter	44.43	31.33
	Fourth Quarter	33.90	18.22
2000	E'est Ossertue	27.00	10.04
2009	First Quarter	27.09	19.94
	Second Quarter	34.64	25.65
	Third Quarter	39.29	30.75
	Fourth Quarter	42.07	37.56
2010	First Quarter	43.22	36.83
	Second Quarter	43.98	36.16
	Third Quarter	44.77	37.59
	Fourth Quarter	48.58	44.77
		10.50	
2011	First Quarter	48.69	44.63
	Second Quarter	50.21	45.50
	Third Quarter	48.46	34.95
	Fourth Quarter	42.80	34.36
2012	First Quarter	44.76	38.23
	Second Quarter	43.54	36.68
	Third Quarter	42.37	37.42
	Fourth Quarter	44.35	40.14
2013	First Quarter	45.20	41.80
	Second Quarter	44.23	36.63
	Third Quarter	43.29	37.34
	Fourth Quarter	43.66	40.44
2014	First Quarter	40.99	37.09
	Second Quarter	43.95	40.82
	Third Quarter	45.85	41.56
	Fourth Quarter	42.44	37.73
		72,77	51.15

2015	First Quarter	41.07	37.92
	Second Quarter (through the pricing date)	44.09	40.63

Before investing in the notes, you should consult publicly available sources for the prices and trading pattern of the shares of the iShares® MSCI Emerging Markets ETF.

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#### Supplement to the Plan of Distribution

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

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

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

MLPF&S has advised us that they or their affiliates may repurchase and resell the notes, with repurchases and resales being made at prices related to then-prevailing market prices or at negotiated prices, and these prices will include MLPF&S's trading commissions and mark-ups. MLPF&S may act as principal or agent in these market-making transactions; however, it is not obligated to engage in any such transactions. At MLPF&S's discretion, for a short, undetermined initial period after the issuance of the notes, MLPF&S may offer to buy the notes in the secondary market at a price that may exceed the estimated value of the notes at the time of repurchase. Any price offered by MLPF&S for the notes will be based on then-prevailing market conditions and other considerations, including the performance of the Basket, the remaining term of the notes, and our creditworthiness. However, none of us, MLPF&S, or any of our respective affiliates is obligated to purchase your notes at any price or at any time, and we cannot assure you that we, MLPF&S, or any of our respective affiliates will purchase your notes at a price that equals or exceeds the estimated value of the notes at the time of repurchase.

MLPF&S has also advised us that, if you hold your notes in a MLPF&S account, the value of the notes shown on your account statement will be based on MLPF&S's estimate of the value of the notes if MLPF&S or another of its affiliates were to make a market in the notes, which it is not obligated to do. That estimate will be based upon the price that MLPF&S may pay for the notes in light of then-prevailing market conditions and other considerations, as mentioned above, and will include transaction costs. This price may be higher than or lower than the initial estimated value of the notes.

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

## Structuring the Notes

The notes are our debt securities, the return on which is linked to the performance of the Basket. As is the case for all of our debt securities, including our market-linked notes, the economic terms of the notes reflect our actual or

perceived creditworthiness at the time of pricing. The internal funding rate we use in pricing the market-linked note is typically lower than the rate we would pay when we issue conventional debt securities of comparable maturity. This generally relatively lower internal funding rate, which is reflected in the economic terms of the notes, along with the fees and charges associated with market-linked notes, resulted in the initial estimated value of the notes on the pricing date being less than their public offering price.

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

MLPF&S has advised us that the hedging arrangements will include a hedging related charge of approximately \$0.05 per unit, reflecting an estimated profit to be credited to MLPF&S from these transactions. Since hedging entails risk and may be influenced by unpredictable market forces, additional profits and losses from these hedging arrangements may be realized by us, MLPF&S or any other hedge providers.

For further information, see "Risk Factors—General Risks Relating to the Notes" beginning on page PS-7 and "Use of Proceeds and Hedging" on page PS-22 of product supplement ETF STR-1.

#### Summary Tax Consequences

In the opinion of our special tax counsel, Davis Polk & Wardwell LLP, which is based on prevailing market conditions, it is more likely than not that the notes will be treated for U.S. federal income tax purposes as prepaid financial contracts that are not debt. Generally, if this treatment is respected, (i) you should not recognize taxable income or loss prior to the taxable disposition of your notes (including at maturity or pursuant to a call) and (ii) the gain or loss on your notes should be short-term capital gain or loss unless you have held the notes for more than one year, in which case the gain or loss should be long-term capital gain or loss. The Internal Revenue Service (the "IRS") or a court might not agree with this treatment, however, in which case the timing and character of income or loss on your notes could be materially and adversely affected.

In 2007, the U.S. Treasury Department and the IRS released a notice requesting comments on various issues regarding the U.S. federal income tax treatment of "prepaid forward contracts" and similar instruments. The notice focuses in particular on whether beneficial owners of these instruments should be required to accrue income over the term of their investment. It also asks for comments on a number of related topics, including the character of income or loss with respect to these instruments; the relevance of factors such as the nature of the underlying property to which the instruments are linked; the degree, if any, to which income (including any mandated accruals) realized by non-U.S. persons should be subject to withholding tax; and whether these instruments are or should be subject to the "constructive ownership" regime, which very generally can operate to recharacterize certain long-term capital gain as ordinary income and impose a notional interest charge. While the notice requests comments on appropriate transition rules and effective dates, any Treasury regulations or other guidance promulgated after consideration of these issues could materially and adversely affect the tax consequences of an investment in the notes, possibly with retroactive effect.

You should review carefully the section of the accompanying product supplement entitled "U.S. Federal Income Tax Consequences." The preceding discussion, when read in combination with that section, constitutes the full opinion of our special tax counsel regarding the material U.S. federal income tax consequences of owning and disposing of the notes.

Under current law, the United Kingdom will not impose withholding tax on payments made with respect to the notes.

For a discussion of certain German tax considerations relating to the notes, you should refer to the section in the accompanying prospectus supplement entitled "Taxation by Germany of Non-Resident Holders."

You should consult your tax adviser regarding the U.S. federal tax consequences of an investment in the notes (including possible alternative treatments and the issues presented by the 2007 notice), as well as tax consequences arising under the laws of any state, local or non-U.S. taxing jurisdiction.

## Validity of the Notes

In the opinion of Davis Polk & Wardwell LLP, as special United States products counsel to the Issuer, when the notes offered by this term sheet have been executed and issued by the Issuer and authenticated by the authenticating agent, acting on behalf of the trustee, pursuant to the senior indenture, and delivered against payment as contemplated herein,

such notes will be valid and binding obligations of the Issuer, enforceable in accordance with their terms, subject to applicable bankruptcy, insolvency and similar laws affecting creditors' rights generally, concepts of reasonableness and equitable principles of general applicability (including, without limitation, concepts of good faith, fair dealing and the lack of bad faith) and possible judicial applications giving effect to governmental actions or foreign laws affecting creditors' rights, provided that such counsel expresses no opinion as to the effect of fraudulent conveyance, fraudulent transfer or similar provision of applicable law on the conclusions expressed above. This opinion is given as of the date hereof and is limited to the laws of the State of New York. Insofar as this opinion involves matters governed by German law, Davis Polk & Wardwell LLP has relied, without independent investigation, on the opinion of Group Legal Services of Deutsche Bank AG, dated as of January 1, 2015, filed as an exhibit to the letter of Davis Polk & Wardwell LLP, and this opinion of Group Legal Services of Deutsche Bank AG. In addition, this opinion is subject to customary assumptions about the trustee's authorization, execution and delivery of the senior indenture and the authentication of the notes by the authenticating agent and the validity, binding nature and enforceability of the senior indenture with respect to the trustee, all as stated in the letter of Davis Polk & Wardwell LLP dated as of January 1, 2015, which has been filed by the Issuer on Form 6-K dated January 5, 2015.

#### Where You Can Find More Information

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

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Strategic Accelerated Redemption Securities® Linked to an International Equity Basket, due May 27, 2016

Market-Linked Investments Classification

MLPF&S has advised us that it classifies certain market-linked investments (the "Market-Linked Investments") into categories, each with different investment characteristics. The following description is meant solely for informational purposes and is not intended to represent any particular Enhanced Return Market-Linked Investment or guarantee any performance.

Enhanced Return Market-Linked Investments are short- to medium-term investments that offer you a way to enhance exposure to a particular market view without taking on a similarly enhanced level of market downside risk. They can be especially effective in a flat to moderately positive market (or, in the case of bearish investments, a flat to moderately negative market). In exchange for the potential to receive better-than market returns on the linked asset, you must generally accept market downside risk and capped upside potential. As these investments are not market downside protected, and do not assure full repayment of principal at maturity, you need to be prepared for the possibility that you may lose all or part of your investment.

"Strategic Accelerated Redemption Securities®" is a registered service mark of Bank of America Corporation, the parent company of MLPF&S.

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