

DEUTSCHE BANK AKTIENGESELLSCHAFT
Form 424B2
July 31, 2015

Prospectus Supplement

Registration Statement No. 333-206013

To Prospectus dated July 31, 2015, dated July 31, 2015;

as may be amended

Rule 424(b)(2)

Global Notes, Series A

We, Deutsche Bank AG, may offer and sell our global notes at one or more times. The specific terms of any notes that we offer and sell will be included in a term sheet, pricing supplement, underlying supplement and/or product supplement, as the case may be. We refer to such term sheets, pricing supplements, underlying supplements and product supplements generally as pricing supplements.

The notes will have the following general terms:

The notes may bear interest at any time at either a fixed rate or a floating rate that varies during the lifetime of the relevant notes, which, in either case, may be zero. Floating rates will be based on rates specified in the applicable pricing supplement.

- The notes will pay interest, if any, on the dates stated in the applicable pricing supplement.

The applicable pricing supplement will specify whether the notes will be denominated in U.S. dollars or some other currency.

The notes will be held in global, book-entry form by The Depository Trust Company, unless the pricing supplement provides otherwise.

The pricing supplement may also specify that the notes will have additional terms, including the following:

The notes may be optionally or mandatorily exchangeable for securities of ours or entities that are or are not affiliated with us, a basket or baskets of those securities, other property, or any combination of, or the cash value of, such securities or other property.

The amount of principal or interest may be determined by reference to one or more currencies, commodities or securities of ours or entities that are or are not affiliated with us; or interest rates, or intangibles, articles, goods or any other property; or any other financial or economic or other measures or instruments, including the occurrence or non-occurrence of any events or circumstances; and/or indices or baskets of any of these items, including baskets of indices.

- The notes may be either callable by us or puttable by you.

Investing in the notes involves risks. See “Risk Factors” beginning on page PS-5.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of the notes or passed upon the accuracy or the adequacy of this prospectus supplement, the accompanying prospectus or any related pricing supplement. Any representation to the contrary is a criminal offense.

These notes are our senior unsecured obligations. The notes are not deposits or savings accounts and are not insured or guaranteed by the Federal Deposit Insurance Corporation or any other U.S. or foreign governmental agency or instrumentality.

Deutsche Bank Securities Inc. (“**DBSI**”) and Deutsche Bank Trust Company Americas (“**DBTCA**”), which are our affiliates, have agreed to use reasonable efforts to solicit offers to purchase these notes as our selling agents to the extent either or both is named in the applicable pricing supplement. DBSI may also act on a firm commitment basis, but only if so specified in the applicable pricing supplement. Certain other selling agents to be named in the applicable pricing supplement may also be used to solicit such offers on either a reasonable efforts or firm commitment basis. The agents may also purchase these notes as principal at prices to be agreed upon at the time of sale. The agents may resell any notes they purchase as principal at prevailing market prices, or at other prices, as the agents determine.

Because DBSI is both our affiliate and a member of the Financial Industry Regulatory Authority, Inc. (“**FINRA**”), each offering of notes by DBSI must be conducted in accordance with the applicable provisions of FINRA Rule 5121. For more information, see the “Plan of Distribution (Conflicts of Interest)” section of this prospectus supplement.

The agents may use this prospectus supplement and the accompanying prospectus, together with any pricing supplements, in connection with offers and sales of the notes in market-making transactions.

The date of this prospectus supplement is July 31, 2015.

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SUMMARY

The following summary describes the notes we are offering under this program in general terms only. You should read the summary together with the more detailed information contained in this prospectus supplement, in the accompanying prospectus and in the applicable pricing supplement. We refer to the notes offered under this prospectus supplement as our “*Series A notes*” or “*notes*.” We refer to the offering of the Series A notes as our “*Series A program*.”

As used in this prospectus supplement, the “Bank,” “we,” “our” or “us” refers to Deutsche Bank AG, including, as the context may require, acting through one of its branches.

Issuer	Deutsche Bank AG
Notes offered	Global Notes, Series A
Ranking	<p>The notes are our direct, unconditional, unsecured and unsubordinated obligations and will rank on parity with the claims of all our other unsecured creditors other than those claims which are expressly preferred by law of the jurisdiction of our incorporation or, in the case of the notes issued by Deutsche Bank AG through a branch, the law of the jurisdiction where the branch is established.</p> <p>Unless otherwise specified in the applicable pricing supplement or in connection with any further issuances of notes with the same terms as notes originally issued prior to January 1, 2015, holders of notes issued on or after January 1, 2015 will be bound by and will be deemed to consent to the imposition</p>
Resolution Measures	<p>of any Resolution Measures (as described in the accompanying prospectus) by our competent resolution authority, which may include the write down of all, or a portion, of any payment (or delivery of any property) on the notes. Please see the section “Risk Factors” beginning on page 12 in the accompanying prospectus and the section “Resolution Measures” beginning on page 49 in the accompanying prospectus for more information.</p>
Interest features	<p>A note will pay interest, if any, on the dates specified in the applicable pricing supplement. A note may bear interest at any time at either a fixed rate or a floating rate that varies during the lifetime of the relevant notes, which, in either case, may be zero.</p>
Linked note features	<p>Payment of principal and/or interest on the notes may be linked to one or more currencies, commodities or securities of ours or entities that are or are not affiliated with us; or interest rates, or intangibles, articles, goods or any other property; or any other financial or economic or other measures or instruments, including the occurrence or non-occurrence of any events or circumstances; and/or indices or baskets of any of these items, including baskets of indices.</p>

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Exchangeable note features	<p>The notes may be optionally or mandatorily exchangeable for securities of ours or entities that are or are not affiliated with us, a basket or baskets of those securities, other property, or any combination of,</p>
	<p>or the cash value of, such securities or other property.</p>
Redemption/repayment features	<p>The notes may be either callable by us or puttable by you, as specified in the applicable pricing supplement.</p>
Currency and denomination	<p>The notes will be issued in U.S. dollars in minimum denominations of \$1,000 unless we specify otherwise in the applicable pricing supplement.</p>
Listing	<p>The notes will not be listed on any securities exchange unless we specify otherwise in the applicable pricing supplement.</p>
Form of notes	<p>The notes will be issued only in global form (<i>i.e.</i>, in book-entry form) registered in the name of The Depository Trust Company, or its nominee, unless otherwise stated in the applicable pricing supplement.</p>
Conflicts of Interest	<p>Because DBSI is both an affiliate of the Bank and a member of FINRA, any distribution of the notes by DBSI must be made in compliance with the applicable provisions of FINRA Rule 5121 regarding a FINRA member firm's distribution of the securities of an affiliate and related conflicts of interest. In accordance with FINRA Rule 5121, DBSI may not make sales in offerings of the notes to any of its discretionary accounts without the prior written approval of the customer. For more information, see the "Plan of Distribution (Conflicts of Interest)" section of this prospectus supplement.</p>
Branches	<p>We may act through one or more of our branches, such as our London branch, as specified in the applicable pricing supplement.</p>
How to reach us	<p>You may contact us at Deutsche Bank AG, Investor Relations, 60 Wall Street, New York, NY 10005, USA (telephone number: 212-250-0604).</p>

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RISK FACTORS

For a discussion of the risk factors relating to Deutsche Bank AG and its business, see “Risk Factors” in Part I, Item 3 of our most recent annual report on Form 20-F and our current and periodic reports filed with the Securities and Exchange Commission that are incorporated by reference into this prospectus supplement.

In addition, you should consider carefully the following discussion of risks, together with the section “Risk Factors” beginning on page 12 in the accompanying prospectus and the risk information contained in relevant pricing supplement, before you decide that an investment in the notes is suitable for you.

Reform and proposed regulation of LIBOR, EURIBOR and other “benchmarks” could adversely affect any notes based on, or linked to, such “benchmarks.”

The London Interbank Offered Rate (“**LIBOR**”), the Euro Interbank Offered Rate (“**EURIBOR**”) and other indices which are deemed “benchmarks” are the subject of recent national, international and other regulatory guidance and proposals for reform. Some of these reforms are already effective while others are still to be implemented. These reforms may cause such benchmarks to perform differently than in the past, or have other consequences which cannot be predicted.

In September 2012, the U.K. government published the results of its review of LIBOR (commonly referred to as the “**Wheatley Review**”). The Wheatley Review made a number of recommendations for changes with respect to LIBOR including the introduction of statutory regulation of LIBOR, the transfer of responsibility for LIBOR from the British Bankers’ Association to an independent administrator, changes to the method of compilation of lending rates, new regulatory oversight and enforcement mechanisms for rate-setting and the corroboration of LIBOR, as far as possible, by transactional data. Based on the Wheatley Review, final rules for the regulation and supervision of LIBOR by the U.K. Financial Conduct Authority (the “**FCA**”) were published and came into effect on April 2, 2013 (the “**FCA Rules**”). In response to the Wheatley Review recommendations, ICE Benchmark Administration Limited (the “**ICE Administration**”) has been appointed as the independent LIBOR administrator, effective February 1, 2014.

It is not possible to predict the effect of the FCA Rules, any changes in the methods pursuant to which the LIBOR rates are determined and any other reforms to LIBOR that will be enacted in the U.K., the European Union (the “**EU**”) and elsewhere, each of which may adversely affect the trading market for LIBOR-based notes. In addition, any changes announced by the FCA, the ICE Administration, the European Commission or any other successor governance or oversight body in the method pursuant to which the LIBOR rates are determined may result in a sudden or prolonged decrease (or increase) in the reported LIBOR rates. If that were to occur, the level of interest payments, and the trading value of LIBOR-based notes may be adversely affected. Further, uncertainty as to the extent and manner in which the Wheatley Review recommendations and other proposed reforms will continue to be adopted and the timing of such changes may adversely affect the current trading market for LIBOR-based notes.

At an international level, proposals for the reform of “benchmarks” include (i) IOSCO’s Principles for Financial Benchmarks (July 2013), (ii) ESMA-EBA’s Principles for Benchmark-Setting Processes in the EU (June 2013) and (iii) the European Commission’s proposed regulation on indices used as “benchmarks” in certain financial instruments, financial contracts and investment funds (September 2013) (the “**Proposed Benchmark Regulation**”).

The Proposed Benchmark Regulation, if passed in its current form, would apply to “contributors,” “administrators” and “users” of “benchmarks” in the European Union, and would, among other things, (i) require benchmark administrators to be authorized (or, if non-European Union-based, to be subject to an equivalent regulatory regime) and to comply with extensive requirements in relation to the administration of “benchmarks” and (ii) ban the use of “benchmarks” of unauthorized administrators. The scope of the Proposed Benchmark Regulation is wide and, in addition to so-called “critical benchmark” indices such as LIBOR and EURIBOR, could also potentially apply to many interest rate and foreign exchange rate indices, equity indices and other indices (including “proprietary” indices or strategies) where referenced in financial instruments, financial contracts and investment funds.

More broadly, the FCA Rules, the Proposed Benchmark Regulation and any of the other international, national or other proposals for reform or general increased regulatory scrutiny of “benchmarks” could have a material adverse effect on the costs and risks of administering or otherwise participating in the setting of a

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“benchmark” and complying with any such regulations or requirements. Such factors may have the effect of discouraging market participants from continuing to administer or participate in certain “benchmarks,” trigger changes in the rules or methodologies used in the determination of certain “benchmarks” or may even lead to the disappearance of certain “benchmarks.” The disappearance of, or uncertainty relating to the continued existence of, a “benchmark” or changes in the manner of determination of or administration of a “benchmark” may adversely affect the trading market for, return on, or value of “benchmark”-based notes.

In addition to the international proposals for the reform of “benchmarks” described above, there are numerous other proposals, initiatives and investigations which may impact the use and regulation of “benchmarks.” Any of the above changes or any other consequential changes to LIBOR, EURIBOR or any other “benchmark” as a result of U.K., European Union, or other international, national or other proposals for reform or other initiatives or investigations, or any further uncertainty in relation to the timing and manner of implementation of such changes could have a material adverse effect on the value of and return on any notes based on or linked to a “benchmark.”

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DESCRIPTION OF NOTES

References in this prospectus supplement to the “Bank,” “we,” “our” or “us” refer to Deutsche Bank AG, including, as the context may require, acting through one of its branches. As context may require, references to “you” or “holders” mean either (a) those who invest in the notes being offered, whether they are the direct holders or owners of beneficial interests in those notes or (b) those who own notes registered in their own names, on the books that we or the registrar maintain for this purpose, and not those who own beneficial interests in notes issued in book-entry form through The Depository Trust Company or another depository or in notes registered in street name. Owners of beneficial interests in the notes should read the section entitled “Description of Notes—Form, Legal Ownership and Denomination of Notes.”

General Information Regarding Global Notes, Series A

We refer to the Global Notes, Series A offered under this prospectus supplement as our “**Series A notes**” or the “**notes**,” which are a separate series of our debt securities. We refer to the offering of the Series A notes as our “**Series A program**.” Investors should carefully read the general terms and provisions of our debt securities in “Description of Debt Securities” in the accompanying prospectus. This section supplements that description.

A pricing supplement to this prospectus supplement will add specific terms for each issuance of notes and may modify or replace any of the information in this section and in “Description of Debt Securities” in the accompanying prospectus. If the pricing supplement is inconsistent with this prospectus supplement or the accompanying prospectus, the terms in the pricing supplement will control with regard to the note you purchase. Therefore, the statements made in this prospectus supplement may not be the terms that apply to the note you purchase.

We Will Issue Notes Under the Senior Indenture. The Series A notes issued under our Series A program will be governed by the senior indenture among us, Law Debenture Trust Company of New York, as trustee, and Deutsche Bank Trust Company Americas, as issuing agent, paying agent, authenticating agent and registrar, as supplemented by the first supplemental senior indenture dated as of March 7, 2014 and the second supplemental senior indenture dated as of January 1, 2015 (the “**senior indenture**”) (see “Description of Debt Securities—The Senior Indenture” in the accompanying prospectus). The notes issued under the senior indenture will constitute a single series under that senior indenture, together with any notes we have issued in the past or that we issue in the future under that senior indenture that we designate as being part of that series. From time to time, we may create and issue additional notes with the same terms as previous Series A notes, so that the additional notes will be considered as part of the same issuance as the earlier notes.

Unless otherwise specified in the applicable pricing supplement or in connection with any further issuances of notes with the same terms as notes originally issued prior to January 1, 2015, holders of notes issued on or after

January 1, 2015 will be bound by and will be deemed to consent to the imposition of any Resolution Measures (as described in the accompanying prospectus) by our competent resolution authority, which may include the write down of all, or a portion, of any payment on the notes. Please see the section “Risk Factors” beginning on page 12 in the accompanying prospectus and the section “Resolution Measures” beginning on page 49 in the accompanying prospectus for more information.

Outstanding Indebtedness of the Bank. The senior indenture does not limit the amount of additional indebtedness that we may incur.

How the Notes Rank Against Other Debt. The notes issued under the senior indenture are our direct, unconditional, unsecured and unsubordinated obligations and will rank on parity with the claims of all our other unsecured creditors other than those claims which are expressly preferred by law of the jurisdiction of our incorporation or, in the case of the notes issued by Deutsche Bank AG through a branch, the law of the jurisdiction where the branch is established.

This Section Is Only a Summary. The accompanying prospectus and this prospectus supplement provide only summaries of the senior indenture’s material terms. They do not, however, describe every aspect of the senior indenture and the notes. The senior indenture and its associated documents, including the applicable note, contain the full legal text of the matters described in this section and in the accompanying prospectus. A copy of the senior indenture has been filed with the Securities and Exchange Commission (the “SEC”) as part of the registration statement for the notes.

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Some Frequently Used Definitions. We have defined some of the terms that we use frequently in this prospectus supplement below:

A “**business day**” means, unless otherwise stated in the applicable pricing supplement, for any note, any day other than a day that (i) is a Saturday or Sunday, (ii) is a day on which banking institutions generally in The City of New York or London, England are authorized or obligated by law, regulation or executive order to close or (iii) is a day on which transactions in dollars are not conducted in The City of New York or London, England; and, in addition, (a) for LIBOR notes only, a London Banking Day (as defined below); (b) for notes having a specified currency other than U.S. dollars only, other than notes denominated in euro, any day that in the principal financial center of the country of the specified currency is not a day on which banking institutions generally are authorized or obligated by law, regulation or executive order to close; and (c) for notes denominated in euro, a day on which TARGET2 is operating.

“**Clearstream, Luxembourg**” means Clearstream Banking, *société anonyme*, Luxembourg.

“**Depository**” means The Depository Trust Company, New York, New York.

“**Designated LIBOR Currency**” means the currency specified in the applicable pricing supplement as to which LIBOR shall be calculated or, if no such currency is specified in the applicable pricing supplement, U.S. dollars.

“**Euro LIBOR notes**” means LIBOR notes for which the Designated LIBOR Currency is euro.

“**Euroclear operator**” means Euroclear Bank SA/NV, as operator of the Euroclear System.

An “**interest payment date**” for any note means a date on which, under the terms of that note, regularly scheduled interest is payable.

A “**London Banking Day**” means any day on which dealings in deposits in the specified currency are transacted in the London interbank market.

A “**New York Business Day**” means, unless otherwise stated in the applicable pricing supplement, for any note, any day other than a day that (i) is a Saturday or Sunday or (ii) is a day on which banking institutions generally in The City of

New York are authorized or obligated by law, regulation or executive order to close.

The term “**specified currency**” means the currency or currencies in respect of notes in which the principal, premium (if any) or interest (if any) is not denominated or payable in U.S. dollars.

The “**record date**” for any interest payment date is (a) in the case of global notes, the date that is one New York Business Day prior to that interest payment date (as adjusted, if applicable) and (b) in the case of certificated notes, the date that is 15 calendar days prior to that interest payment date, whether or not that day is a business day, unless otherwise specified in the applicable pricing supplement. However, upon maturity, redemption or repayment, the paying agent will pay any interest due to the holder to whom it pays the principal of the note.

“**TARGET2**” means the Trans-European Automated Real-time Gross Settlement Express Transfer System.

“**TARGET Settlement Day**” means any day on which TARGET2 is operating.

A “**U.S. Government Securities Business Day**” means any day other than a Saturday, Sunday or a day on which the Securities Industry and Financial Markets Association (or any successor thereto) recommends that the fixed income department of its members be closed for the entire day for purposes of trading in U.S. government securities.

References in this prospectus supplement to “U.S. dollar,” “U.S.\$” or “\$” are to the currency of the United States of America. References in this prospectus supplement to “euro” or “€” are to the single currency introduced at the commencement of the third stage of the European Economic and Monetary Union pursuant to the treaty establishing the European Community, as amended.

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Types of Notes

We may issue the following types of notes:

Fixed Rate Notes

A note of this type will bear interest at a fixed rate described in the applicable pricing supplement. This type includes zero coupon notes, which bear no interest.

Floating Rate Notes

A note of this type will bear interest at rates that are determined by reference to an interest rate formula. In some cases, the rates may also be adjusted by adding or subtracting a spread or multiplying by a spread multiplier and may be subject to a minimum rate or a maximum rate. The various interest rate formulas and these other features are described below under “—Interest Rates—Floating Rate Notes.” If the note you purchase is a floating rate note, the formula and any adjustments that apply to the interest rate will be specified in the pricing supplement.

Linked Notes

A note of this type provides that the amount payable at its maturity and/or the amount of interest payable on an interest payment date will be determined by reference to:

- one or more currencies;
- one or more commodities;
- one or more securities of ours or of entities that are or are not affiliated with us;
- interest rates;

- one or more intangibles, articles, goods or any other property; or

any other financial, economic or other measures or instruments, including the occurrence or non-occurrence of any events or circumstances; and/or

- indices or baskets of any of these items, including baskets of indices.

The holder of a linked note may receive an amount at maturity that is greater than or less than the principal amount of the note depending upon the value, price or level of the applicable underlying to which the note is linked. That value, price or level may fluctuate over time. The applicable pricing supplement will include information about the relevant underlying and about how amounts that are to become payable will be determined by reference to the underlying. A linked note may provide for either cash settlement or physical settlement by delivery of the applicable underlying or another property of the type listed above. A linked note may also provide that the form of settlement may be determined at our option or at the holder's option.

Investing in linked notes involves special risks. You should carefully read the risk factors section in the applicable pricing supplement for your linked note.

Exchangeable Notes

We may issue notes, which we refer to as "exchangeable notes," that are optionally or mandatorily exchangeable into:

- securities of ours or of entities that are or are not affiliated with us;
 - a basket or baskets of those securities;
 - other property; or
- any combination of, or the cash value of, such securities or other property.

The exchangeable notes may or may not bear interest or be issued with original issue discount or at a premium. The general terms of the exchangeable notes are described below. Please note that exchangeable notes may specify other terms in the relevant pricing supplement, which may differ from those described below.

Payments upon Exchange. The applicable pricing supplement will specify whether upon exchange, at maturity or otherwise, the holder of an exchangeable note may receive, at the specified exchange rate, either the

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underlying property or the cash value of such underlying property. The underlying property may be our securities or securities of entities that are or are not affiliated with us; a basket or baskets of those securities; other property; or any combination of the above. The exchangeable notes may or may not provide for protection against fluctuations in the exchange rate between the currency in which that note is denominated and the currency or currencies in which the market prices of the underlying property or properties are quoted. Exchangeable notes may have other terms, which will be specified in the applicable pricing supplement.

Mandatorily Exchangeable Notes. At maturity, the holder of a mandatorily exchangeable note must exchange the note for the underlying property or the cash value of such underlying property at a specified rate of exchange, and, therefore, depending upon the value of the underlying property at maturity, the holder of a mandatorily exchangeable note may receive less than the stated principal amount of the note at maturity. If so indicated in the applicable pricing supplement, the specified rate at which a mandatorily exchangeable note may be exchanged may vary depending on the value of the underlying property so that, upon exchange, the holder participates in a percentage, which may be less than, equal to or greater than 100% of the change in value of the underlying property. Mandatory exchangeable notes may include notes where we have the right, but not the obligation, to require holders of notes to exchange their notes for the underlying property.

Optionally Exchangeable Notes. The holder of an optionally exchangeable note may, during a period, or at a specific time or times, exchange the note for the underlying property or the cash value of such underlying property at a specified rate of exchange or at a rate of exchange determined pursuant to a formula described in the applicable pricing supplement. If specified in the applicable pricing supplement, we will have the option to redeem the optionally exchangeable note prior to maturity. If the holder of an optionally exchangeable note does not elect to exchange the note prior to maturity or any applicable redemption date, the holder will receive the principal amount of the note plus any accrued interest at maturity or upon redemption, if so specified in the applicable pricing supplement.

Special Requirements for Exchange of Global Notes. If an optionally exchangeable note is represented by a global note, the Depositary's nominee will be the holder of that note and therefore will be the only entity that can exercise a right to exchange or other elective rights. In order to ensure that the Depositary's nominee will timely exercise such elective rights, the beneficial owner of the note must instruct the broker or other direct or indirect participant through which it holds an interest in that note to notify the Depositary of its desire to exercise its rights. Different firms have different deadlines for accepting instructions from their customers. Each beneficial owner should consult the broker or other participant through which it holds an interest in a note in order to ascertain the deadline for ensuring that timely notice of elective rights will be delivered to the Depositary.

Payments upon Acceleration of Maturity or upon Tax Redemption. Unless otherwise specified in the applicable pricing supplement, if the principal amount payable at maturity of any exchangeable note is declared due and payable prior to maturity as a result of an event of default or tax redemption (see "Series A Notes Offered on a Global Basis—Tax Redemption"), the amount payable on:

an optionally exchangeable note will equal the face amount of the note plus accrued interest, if any, to but excluding the date of payment, except that if a holder has exchanged an optionally exchangeable note prior to the date of acceleration or tax redemption without having received the amount due upon exchange, the amount payable will be an amount in cash equal to the amount due upon exchange and will not include any accrued but unpaid interest; and

a mandatorily exchangeable note will equal an amount determined as if the date of acceleration or tax redemption were the final valuation date, plus accrued interest, if any, to but excluding the date of payment.

The amount payable if the principal amount payable at maturity of an exchangeable note is declared due and payable prior to maturity as a result of any other type of redemption will be set forth in the applicable pricing supplement.

Original Issue Discount Notes

A fixed rate note, a floating rate note, a linked note or an exchangeable note may be an original issue discount note. A note of this type is issued as a discounted security (bearing no interest or interest at a rate that at the time of issuance is below market rates) to be sold at an issue price below its stated principal amount. Special considerations applicable to any original issue discount notes will be described in the applicable pricing supplement.

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Unless otherwise specified in the applicable pricing supplement, in the event of redemption, repayment or acceleration of maturity of an original issue discount note, the amount payable to the holder will be equal to the sum of:

- (i) the issue price (increased by any accruals of discount) or, in the event of any redemption by us of such original issue discount note (if applicable), the issue price (increased by any accruals of discount) multiplied by the initial redemption percentage specified in the applicable pricing supplement (as adjusted by the initial redemption percentage reduction, if applicable) and
- (ii) any unpaid interest on such original issue discount note accrued from the date of issue to the date of such redemption, repayment or acceleration of maturity.

Unless otherwise specified in the applicable pricing supplement, for purposes of determining the amount of discount that has accrued as of any date on which a redemption, repayment or acceleration of maturity occurs for an original issue discount note, the discount will be accrued using a constant yield method. The constant yield will be calculated using (i) a 30-day month, 360-day year convention, (ii) a compounding period that, except for the initial period (as defined below), corresponds to the shortest period between interest payment dates for the applicable original issue discount note (with ratable accruals within a compounding period) and (iii) an assumption that the maturity of such original issue discount note will not be accelerated. If the period from the date of issue to the initial interest payment date for an original issue discount note, which we refer to as the “**initial period**,” is shorter than the compounding period for such original issue discount note, a proportionate amount of the yield for an entire compounding period will be accrued. If the initial period is longer than the compounding period, then such period will be divided into a regular compounding period and a short period with the short period being treated as provided in the preceding sentence. The accrual of the applicable discount may differ from the accrual of original issue discount for U.S. federal income tax purposes under the Internal Revenue Code of 1986, as amended to the date hereof (the “**Code**”).

Certain original issue discount notes may not be treated as having original issue discount for federal income tax purposes, and notes other than original issue discount notes may be treated as issued with original issue discount for federal income tax purposes.

Extendible Notes

We may issue from time to time “**extendible notes**,” with respect to which we will have the option to extend the maturity of a note for one or more periods up to but not beyond the final maturity date set forth in the applicable pricing supplement. If we have such an option with respect to any note, the procedures for extension will be described in the applicable pricing supplement. Amortizing notes may not be designated as extendible notes.

Renewable Notes

We may also issue “**renewable notes**,” which will mature on an interest payment date specified in the applicable pricing supplement, unless the maturity of all or a portion of the principal amount of the notes is extended by the holders in accordance with the procedures set forth in the applicable pricing supplement.

Terms Specified in Pricing Supplements

A pricing supplement generally will specify the following terms of any issuance of our Series A notes to the extent applicable:

- the specific designation of the notes;
- the issue price (price to public);
- the aggregate principal amount, purchase price and denomination;
- the original issue date;
- the stated maturity date and any terms related to any extension or shortening of the maturity date;
- whether the notes are fixed rate notes, floating rate notes, linked notes and/or exchangeable notes;

for fixed rate notes, the rate per year at which the notes will bear interest, if any, or the method of calculating that rate and the dates on which interest will be payable;

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for floating rate notes, the base rate, the index maturity, the spread, the spread multiplier, the initial interest rate, the interest reset periods, the interest payment dates, the maximum interest rate, the minimum interest rate and any other terms relating to the particular method of calculating the interest rate for the note;

- for floating rate notes, whether they are renewable notes;

for linked notes, the underlying asset or measure to which the notes are linked, the principal amount, if any, or the amount calculated with respect to the principal amount, if any, we will pay you at maturity, the amount of interest, if any, we will pay you on an interest payment date, or of any other interim and/or contingent payment, the formula we will use to calculate these amounts, if any, and whether your note will be payable in cash or other property;

for exchangeable notes, the terms on which holders of the notes may exchange them into the underlying property or the cash value of such underlying property; any specific terms relating to the adjustment of the exchange feature; the period during which the holders may effect the exchange; and the other items described in “—Exchangeable Notes” above;

for currency-linked notes, information as to the one or more currencies to which the principal amount payable on any principal payment date or the amount of interest payable on any interest payment date is linked or indexed; the currency in which the face amount of the currency-linked note is denominated; the currency in which principal on the currency-linked note will be paid; and specific historic exchange rate information and any currency risks relating to the specific currencies selected;

whether the notes may be redeemed, in whole or in part, at our option or repaid at your option, prior to the stated maturity date, and the terms of any redemption or repayment;

whether the note has been issued with original issue discount or is an amortizing note (and, if the note is an amortizing note, the amortization schedule);

if any note is not denominated and payable in U.S. dollars, the currency or currencies in which the principal, premium, if any, and interest, if any, will be paid, which we refer to as the “specified currency,” along with any other terms relating to the non-U.S. dollar denomination, including exchange rates as against the U.S. dollar at selected times during the last five years and any exchange controls affecting that specified currency;

the circumstances, if any, under which we will pay additional amounts on the notes for any tax, assessment or governmental charge withheld or deducted and, if so, whether we will have the option to redeem those notes rather than pay the additional amounts; and

- any other terms on which we will issue the notes.

Form, Legal Ownership and Denomination of Notes

Form. We will issue notes in fully registered, global (*i.e.*, book-entry) form only, unless we specify otherwise in the applicable pricing supplement. Notes in book-entry form will be represented by a global note registered in the name of the Depositary or its nominee, which will be the sole registered owner and the holder of all the notes represented by the global note. An investor therefore will not be a holder of the note, but will own only beneficial interests in a global note, which are held by means of an account with a broker, bank or other financial institution that in turn has an account as a “participant” in the Depositary or with another institution that does. The Depositary maintains a computerized, book-entry system that will reflect the interests in the global notes held by participants in its book-entry system. An investor’s beneficial interest in the global notes will, in turn, be reflected only in the records of the Depositary’s direct or indirect participants though an account maintained by the investor with such participant.

Except as set forth in the accompanying prospectus under “Forms of Securities—Global Securities,” you may not exchange registered global notes or interests in registered global notes for a certificate issued to you in definitive form (a “**certificated note**”). A further description of the Depositary’s procedures for global notes representing book-entry notes is set forth below under “The Depositary” and in the accompanying prospectus under “Forms of Securities—Global Securities.”

Legal Ownership. The person or entity in whose name the notes are registered will be considered the holder and legal owner of the notes. Our obligations under the senior indenture, as well as the obligations of the trustee and those of any third parties employed by us or the trustee, run only to the registered holders of the notes. We do not have obligations to investors who own beneficial interests in global notes, in street name or by

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any other indirect means. For example, once we make a payment or give a notice to the registered holder, we have no further responsibility for that payment or notice even if that holder is required, under agreements with depository participants or customers or by law, to pass it along to the indirect holders (*e.g.*, owners of beneficial interests), but does not do so. Similarly, if we need to ask the holders of the notes to vote on a proposed amendment to the notes, we would seek approval only from the registered holders, and not the indirect holders, of the notes.

Special Considerations for Indirect Holders. If you hold notes through a bank, broker or other financial institution, either in book-entry form or in street name, you should check with your own institution to find out:

- how it handles securities payments and notices;
- whether it imposes fees or charges;
- how it would handle voting if it were ever required;

• whether and how you can instruct it to send you notes registered in your own name so you can be a direct holder, if that is permitted; and

• how it would pursue rights under the notes if there were a default or other event triggering the need for holders to act to protect their interests.

Denominations. Unless we provide otherwise in the applicable pricing supplement, we will issue the notes:

• for U.S. dollar-denominated notes, in denominations of \$1,000 or any amount greater than \$1,000 that is an integral multiple of \$1,000; or

• for notes denominated in a specified currency other than U.S. dollars, in denominations of the equivalent of \$1,000, rounded to an integral multiple of 1,000 units of the specified currency, or any larger integral multiple of 1,000 units of the specified currency, as determined by reference to the market exchange rate, as defined under “—Interest and Principal Payments—Unavailability of Foreign Currency” below, on the business day immediately preceding the date of issuance.

New York Law to Govern. The notes and the senior indenture will be deemed to be a contract under the laws of the State of New York, and for all purposes will be construed in accordance with the laws of the State of New York, except as may otherwise be required by mandatory provisions of law.

Interest Rates

Fixed Rate Notes

Each fixed rate note will bear interest from the date of issuance at the annual rate stated on its face until the principal is paid or made available for payment.

How Interest Is Calculated. Unless otherwise indicated in the applicable pricing supplement, interest on fixed rate notes will be computed on the basis of a 360-day year of twelve 30-day months.

How Interest Accrues. Interest on fixed rate notes will accrue from and including the most recent interest payment date to which interest has been paid or duly provided for, or, if no interest has been paid or duly provided for, from and including the issue date or any other date specified in a pricing supplement on which interest begins to accrue. Interest will accrue to but excluding the next interest payment date, or, if earlier, the date on which the principal has been paid or duly made available for payment, except as described below under “—If a Payment Date is Not a Business Day.”

When Interest Is Paid. Payments of interest on fixed rate notes will be made on the interest payment dates specified in the applicable pricing supplement. However, if the period of time between the issue date and the first interest payment date thereafter is less than the period of time between a record date and an interest payment date, interest will not be paid on the first interest payment date, but will be paid on the second interest payment date.

Amount of Interest Payable. Interest payments for fixed rate notes will include accrued interest from and including the date of issue or from and including the last date in respect of which interest has been paid, as the case may be, but excluding the relevant interest payment date or date of maturity or earlier redemption or repayment, as the case may be.

If a Payment Date is Not a Business Day. If any scheduled interest payment date is not a business day, we will pay interest on the next business day, but interest on that payment will not accrue during the period from and after the scheduled interest payment date. If the scheduled maturity date or date of redemption or repayment is not a business day, we may pay interest, if any, and principal and premium, if any, on the next succeeding business day, but interest on that payment will not accrue during the period from and after the scheduled maturity date or date of redemption or repayment.

Amortizing Notes. Amortizing notes are notes for which payments combining principal and interest are made in installments over the life of the note. Payments with respect to amortizing notes will be applied first to interest due and payable on the notes and then to the reduction of the unpaid principal amount of the notes. Information on the additional terms and conditions of any issue of amortizing notes will be provided in the applicable pricing supplement. A table setting forth repayment information in respect of each amortizing note will be included in the applicable pricing supplement.

Floating Rate Notes

Each floating rate note will mature on the date specified in the applicable pricing supplement.

Each floating rate note will bear interest at a floating rate determined by reference to an interest rate or interest rate formula, which we refer to as the “**base rate.**” The base rate may be one or more of the following:

- the CMS rate,
- the CMT rate,
- the commercial paper rate,
- the eleventh district cost of funds rate,
- EURIBOR,
- the federal funds rate,

- LIBOR,
- the prime rate,
- the Treasury rate, or
- any other rate or interest rate formula specified in the applicable pricing supplement.

Formula for Interest Rates. The interest rate on each floating rate note will be calculated by reference to:

- the specified base rate based on the index maturity,
- plus or minus the spread, if any, and/or
- multiplied by the spread multiplier, if any.

For any floating rate note, “**index maturity**” means the period of maturity of the instrument or obligation from which the base rate is calculated and will be specified in the applicable pricing supplement. The “**spread**” is the number of basis points (one one-hundredth of a percentage point) specified in the applicable pricing supplement to be added to or subtracted from the base rate for a floating rate note. The “**spread multiplier**” is the percentage specified, if any, in the applicable pricing supplement by which the base rate will be multiplied to determine the applicable interest rate for such floating rate note.

Limitations on Interest Rate. A floating rate note may also have either or both of the following limitations on the interest rate:

• a maximum limitation, or ceiling, on the rate of interest which may accrue during any interest period, which we refer to as the “maximum interest rate;” and/or

• a minimum limitation, or floor, on the rate of interest that may accrue during any interest period, which we refer to as the “minimum interest rate.”

Any applicable maximum interest rate or minimum interest rate will be set forth in the applicable pricing supplement.

In addition, the interest rate on a floating rate note may not be higher than the maximum rate permitted by applicable New York law, as that rate may be modified by United States law of general application.

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How Floating Interest Rates Are Reset. The interest rate in effect from the date of issue to the first interest reset date for a floating rate note will be the initial interest rate specified in the applicable pricing supplement. We refer to this rate as the “**initial interest rate**.” The interest rate on each floating rate note may be reset daily, weekly, monthly, quarterly, semiannually or annually or on any other periodic basis described in the applicable pricing supplement. We refer to this period as the “**interest reset period**.” The “**interest reset date**” in respect of each interest reset period will be the first day of each interest reset period, unless otherwise specified in the applicable pricing supplement.

If any interest reset date for any floating rate note would otherwise be a day that is not a business day, such interest reset date, unless otherwise specified in the applicable pricing supplement, will be postponed to the next succeeding day that is a business day, except that in the case of a LIBOR note or a EURIBOR note, if such business day is in the next succeeding calendar month, such interest reset date, unless otherwise specified in the applicable pricing supplement, will be the immediately preceding business day.

The interest rate applicable to each interest reset period commencing on an interest reset date will be the rate per annum determined by the calculation agent on the interest determination date. The “**interest determination date**” with respect to:

the CMS rate will be the second U.S. Government Securities Business Day prior to the applicable interest reset date;

the CMT rate, commercial paper rate, federal funds rate and prime rate will be the second New York Business Day preceding the applicable interest reset date;

the eleventh district cost of funds rate will be the last working day of the month immediately preceding the applicable interest reset date on which the Federal Home Loan Bank of San Francisco (the “**FHLB of San Francisco**”) publishes the Eleventh District Index (as defined under “—Eleventh District Cost of Funds Rate Notes” below);

- EURIBOR will be the second TARGET Settlement Day preceding the applicable interest reset date;

LIBOR will be the second London Banking Day preceding an interest reset date, unless the Designated LIBOR Currency is British pounds sterling, in which case the interest determination date will be the applicable interest reset date; and

the Treasury rate will be the day of the week in which the applicable interest reset date falls on which Treasury Bills normally would be auctioned; provided, however, that if as a result of a legal holiday an auction is held on the Friday of the week preceding the interest reset date, the related interest determination date shall be such preceding Friday.

The interest determination date pertaining to a floating rate note the interest rate of which is determined by reference to two or more base rates will be the most recent business day which is at least two business days prior to the applicable interest reset date for such floating rate note on which each base rate is determinable. Each base rate will be determined as of such date, and the applicable interest rate will take effect on the applicable interest reset date.

The interest rate in effect for the ten calendar days immediately prior to maturity, redemption or repayment will be the one in effect on the tenth calendar day preceding the maturity, redemption or repayment date.

In the detailed descriptions of the various base rates which follow, the “**calculation date**” pertaining to an interest determination date means the earlier of (1) the tenth calendar day after that interest determination date, or, if that day is not a business day, the next succeeding business day, and (2) the business day immediately preceding the applicable interest payment date or maturity date or, for any principal amount to be redeemed or repaid, any redemption or repayment date.

How Interest Is Calculated. Interest on floating rate notes will accrue from and including the most recent interest payment date to which interest has been paid or duly provided for, or, if no interest has been paid or duly provided for, from and including the issue date or any other date specified in a pricing supplement on which interest begins to accrue. Interest will accrue to but excluding the next interest payment date or, if earlier, the date on which the principal has been paid or duly made available for payment, except as described below under “—If a Payment Date is Not a Business Day.”

Floating rate notes will have a calculation agent, which will be Deutsche Bank AG, London Branch, unless otherwise specified in the applicable pricing supplement. Upon the request of the holder of any floating rate note,

the calculation agent will provide the interest rate then in effect and, if determined, the interest rate that will become effective on the next interest reset date for that floating rate note.

Unless otherwise specified in the applicable pricing supplement, accrued interest will be calculated by multiplying the principal amount of the floating rate note by an accrued interest factor. This accrued interest factor will be computed by adding the interest factors calculated for each day in the period for which interest is being paid. The interest factor for each day is computed by *dividing* the interest rate applicable to that day:

by 360, in the case of CMS rate notes, commercial paper rate notes, eleventh district cost of funds rate notes, EURIBOR notes, federal funds rate notes, LIBOR notes (except for LIBOR notes denominated in British pounds sterling) and prime rate notes;

- by 365, in the case of LIBOR notes denominated in British pounds sterling;
- by the actual number of days in the year, in the case of Treasury rate notes and CMT rate notes; or
- as otherwise specified in the applicable pricing supplement.

For these calculations, the interest rate in effect on any interest reset date will be the applicable rate as reset on that date. The interest rate applicable to any other day is the interest rate from the immediately preceding interest reset date or, if none, the initial interest rate.

All percentages used in or resulting from any calculation of the rate of interest on a floating rate note will be rounded, if necessary, to the nearest one hundred-thousandth of a percentage point (*e.g.*, 9.876545% (or .09876545) being rounded to 9.87655% (or .0987655)), and all U.S. dollar amounts used in or resulting from these calculations on floating rate notes will be rounded to the nearest cent (with one-half cent rounded upward).

When Interest Is Paid. We will pay interest on floating rate notes on the interest payment dates specified in the applicable pricing supplement. However, if the period of time between the issue date and the first interest payment date thereafter is less than the period of time between a record date and an interest payment date, interest will not be paid on the first interest payment date, but will be paid on the second interest payment date.

If a Payment Date Is Not a Business Day. If any scheduled interest payment date, other than the maturity date or any earlier redemption or repayment date, for any floating rate note falls on a day that is not a business day, it will be postponed to the following business day, except that, in the case of a EURIBOR note or a LIBOR note, if that

business day would fall in the next calendar month, the interest payment date will be the immediately preceding business day. If the scheduled maturity date or any earlier redemption or repayment date of a floating rate note falls on a day that is not a business day, the payment of principal, premium, if any, and interest, if any, will be made on the next succeeding business day, but interest on that payment will not accrue during the period from and after the maturity, redemption or repayment date.

CMS Rate Notes

CMS rate notes will bear interest at the interest rates specified in the applicable pricing supplement. That interest rate will be based on the CMS rate and any spread and/or spread multiplier and will be subject to the minimum interest rate and the maximum interest rate, if any.

The “CMS rate” means, for any interest determination date, the “USD-ISDA-Swap Rate,” which will be the rate for U.S. dollar swaps with a designated maturity as specified in the applicable pricing supplement, expressed as a percentage, that appears on the Reuters Screen ISDAFIX1 Page (or any other page as may replace such page) as of 11:00 A.M., New York City time, on such interest determination date.

The following procedures will be followed if the CMS rate cannot be determined as described above:

if the above rate does not appear on Reuters Screen ISDAFIX1 Page (or any other page as may replace such page) at 11:00 A.M., New York City time, on any Interest Determination Date, the calculation agent will determine the CMS rate for the relevant interest determination date on the basis of the Mid-Market Semi-Annual Swap Rate quotations provided by the CMS Reference Banks at approximately 11:00 A.M., New York City time, on such interest determination date. The calculation agent will request the principal New York City office of each of the CMS Reference Banks to provide a quotation of its rate, and

if at least three quotations are provided, the rate for such interest determination date will be the arithmetic mean of (i) the quotations, eliminating the highest quotation (or, in the event of equality, one of the highest) and the lowest quotation (or, in the event of equality, one of the lowest); or

- (ii) if fewer than three quotations are provided, the calculation agent will determine the rate in good faith and in a commercially reasonable manner.

“**CMS Reference Banks**” means five leading swap dealers selected by the calculation agent in the New York City interbank market.

“**Mid-Market Semi-Annual Swap Rate**” means, on any interest determination date, the mean of the bid and offered rates for the semi-annual fixed leg, calculated on a 30/360 day count basis, of a fixed-for-floating U.S. dollar interest rate swap transaction with a term equal to the applicable designated maturity as specified in the applicable pricing supplement commencing on such interest determination date and in a CMS Representative Amount with an acknowledged dealer of good credit in the swap market, where the floating leg, calculated on an actual/360 day count basis, is equivalent to U.S. dollar LIBOR with a designated maturity of three months.

“**CMS Representative Amount**” means an amount that is representative for a single transaction in the relevant market at the relevant time as determined by the calculation agent in good faith and in a commercially reasonable manner.

CMT Rate Notes

CMT rate notes will bear interest at the interest rates specified in the applicable pricing supplement. That interest rate will be based on the CMT rate and any spread and/or spread multiplier and will be subject to the minimum interest rate and the maximum interest rate, if any.

The “CMT rate” will be determined as of each interest determination date relating to a CMT rate note and will be the rate on such day as displayed on the Designated CMT Reuters Page (as defined below) under the caption “...Constant Maturities Treasury...Federal Reserve Board Release H.15...Mondays Approximately 3:45 P.M.,” under the column for the Designated CMT Maturity Index (as defined below) for:

- the rate on such interest determination date, if the Designated CMT Reuters Page is FRBCMT; and

the weekly or monthly average, as specified in the applicable pricing supplement, for the week or the month, as applicable, ended immediately preceding the week or the month, as applicable, in which the related interest determination date occurs, if the Designated CMT Reuters Page is FEDCMT.

The following procedures will be followed if the CMT rate cannot be determined as described above:

If the above rate is no longer displayed on the relevant page or is not so displayed by 3:00 P.M., New York City time, on the related calculation date, then the CMT rate for such interest determination date will be such treasury constant maturity rate for the Designated CMT Maturity Index as published in H.15(519).

If such treasury constant maturity rate is no longer published or is not so published in H. 15(519) by 3:00 P.M., New York City time, on the related calculation date, then the CMT rate on such interest determination date will be such treasury constant maturity rate for the Designated CMT Maturity Index (or other United States Treasury rate for the Designated CMT Maturity Index) on such interest determination date as may then be published by either the Board of Governors of the Federal Reserve Board or the United States Department of the Treasury that the calculation agent determines to be comparable to the rate formerly displayed on the Designated CMT Reuters Page and published in H.15(519).

If such treasury constant maturity rate is not so provided by 3:00 P.M., New York City time, on the related calculation date, then the CMT rate on the interest determination date will be calculated by the calculation agent and will be a yield to maturity, based on the arithmetic mean of the secondary market offered rates as of approximately 3:30 P.M., New York City time, on such interest determination date reported, according to their written records, by three leading primary United States government securities dealers in The City of New York (which may include us or our affiliates), which we refer to as a “**Reference Dealer**,” selected by the calculation agent from five such Reference Dealers selected by the calculation agent and eliminating the highest quotation (or, in the event of equality, one of the highest) and the lowest quotation (or, in the event of equality, one of the lowest), for the most recently issued direct noncallable fixed-rate obligations of the United States, which are commonly referred to as “**Treasury Notes**,” with an original maturity of approximately the Designated CMT Maturity Index and a remaining term to maturity of not less than such Designated CMT Maturity Index minus one year and in an amount that is representative for a single transaction in the securities in such market at such time. If two Treasury notes with an original maturity as described above have remaining terms to maturity equally close to the Designated CMT Maturity Index, the quotations for the Treasury notes with the shorter remaining term to maturity will be used.

If the calculation agent is unable to obtain three such Treasury Note quotations, the CMT rate on such interest determination date will be calculated by the calculation agent and will be a yield to maturity based on the arithmetic mean of the secondary market offered rates as of approximately 3:30 P.M., New York City time, on such interest determination date of three Reference Dealers in The City of New York (from five such Reference Dealers selected by the calculation agent and eliminating the highest quotation (or, in the event of equality, one of the highest) and the lowest quotation (or, in the event of equality, one of the lowest)), for Treasury Notes with an original maturity of the number of years that is the next highest to the Designated CMT Maturity Index and a remaining term to maturity closest to the Designated CMT Maturity Index and in an amount that is representative for a single transaction in the securities in such market at such time. If two Treasury Notes with an original maturity have remaining terms to maturity equally close to the Designated CMT Maturity Index, the quotations for the Treasury Note with the shorter remaining term to maturity will be used.

If three or four (and not five) of such Reference Dealers are quoting as described above, then the CMT rate will be based on the arithmetic mean of the offered rates obtained, and neither the highest nor the lowest of such quotations will be eliminated.

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If fewer than three Reference Dealers so selected by the calculation agent are quoting as described above, the CMT rate for that interest determination date will remain the CMT rate for the immediately preceding interest reset period, or, if there was no preceding interest reset period, the rate of interest payable will be the initial interest rate.

“**Designated CMT Maturity Index**” means the original period to maturity of the U.S. Treasury securities (either 1, 2, 3, 5, 7, 10, 20 or 30 years) specified in the applicable pricing supplement with respect to which the CMT rate will be calculated or, if no such maturity is specified in the applicable pricing supplement, 2 years.

“**Designated CMT Reuters Page**” means the Reuters page specified in the applicable pricing supplement (or any other page as may replace such page) for the purpose of displaying Constant Maturities Treasury as reported in H.15(519) or, if no such page is specified in the applicable pricing supplement, Reuters page FEDCMT (or any other page as may replace FEDCMT). If Reuters page FEDCMT (or any other page as may replace FEDCMT) applies but the relevant pricing supplement does not specify whether the weekly or monthly average applies, the weekly average will apply.

Commercial Paper Rate Notes

Commercial paper rate notes will bear interest at the interest rates specified in the applicable pricing supplement. Those interest rates will be based on the commercial paper rate and any spread and/or spread multiplier and will be subject to the minimum interest rate and the maximum interest rate, if any.

The “commercial paper rate” will be determined as of each interest determination date relating to a commercial paper rate note and will be the money market yield (as defined below) on such date of the rate for commercial paper having the index maturity specified in the applicable pricing supplement as published by the Federal Reserve Board in “Statistical Release H.15(519), Selected Interest Rates,” or any successor publication (“**H.15(519)**”) under the heading “Commercial Paper—Non-Financial.”

The following procedures will be followed if the commercial paper rate cannot be determined as described above:

If not so published in H.15(519) by 3:00 P.M., New York City time, on the calculation date pertaining to such interest determination date, the commercial paper rate will be the money market yield on such interest determination date of the rate for commercial paper of the index maturity specified in the applicable pricing supplement as published in H.15 Daily Update under the heading “Commercial Paper—Non-Financial,” or such other recognized electronic source used for the purpose of displaying such rate.

If such rate is not yet published in H.15(519), H.15 Daily Update or another recognized electronic source by 3:00 P.M., New York City time, on such calculation date, then the commercial paper rate shall be calculated by the calculation agent and shall be the money market yield of the arithmetic mean of the offered rates as of 11:00 A.M., New York City time, on such interest determination date, of three leading

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dealers in U.S. dollar commercial paper in The City of New York (which may include us or our affiliates) selected by the calculation agent for commercial paper of the index maturity specified in the applicable pricing supplement placed for a nonfinancial issuer whose bond rating is “AA,” or the equivalent, from a nationally recognized rating agency.

If the dealers selected by the calculation agent are not quoting as set forth above, the commercial paper rate for that interest determination date will remain the commercial paper rate for the immediately preceding interest reset period, or, if there was no interest reset period, the rate of interest payable will be the initial interest rate.

“**H.15 Daily Update**” means the daily update of H.15(519), available through the internet site of the Federal Reserve Board at <http://www.federalreserve.gov/releases/h15/update/h15upd.htm>, or any successor site or publication.

The “**money market yield**” will be a yield calculated in accordance with the following formula:

$$\text{money market yield} = \frac{D \times 360}{360 - (D \times M)} \times 100$$

where “**D**” refers to the applicable per year rate for commercial paper quoted on a bank discount basis and expressed as a decimal and “**M**” refers to the actual number of days in the interest period for which interest is being calculated.

Eleventh District Cost of Funds Rate Notes

Eleventh district cost of funds rate notes will bear interest at the interest rates specified in the applicable pricing supplement. That interest rate will be based on the eleventh district cost of funds rate and any spread and/or spread multiplier and will be subject to the minimum interest rate and the maximum interest rate, if any.

The “eleventh district cost of funds” rate will be determined as of each interest determination date relating to an eleventh district cost of funds rate note and will be the rate equal to the monthly weighted average cost of funds for the calendar month immediately preceding the month in which such interest determination date falls as set forth opposite the heading “11TH Dist COFI:” on the display on the Reuters Screen COFI/ARMS page (or any other page as may replace such page) as of 11:00 A.M., San Francisco time, on such interest determination date.

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If such rate does not appear on the Reuters Screen COFI/ARMS page on such interest determination date, then the eleventh district cost of funds rate on such interest determination date shall be the monthly weighted average cost of funds paid by member institutions of the Eleventh Federal Home Loan Bank District that was most recently announced (which we refer to as the “**Eleventh District Index**”) by the FHLB of San Francisco as such cost of funds for the calendar month immediately preceding such interest determination date.

If the FHLB of San Francisco fails to announce the Eleventh District Index on or prior to such interest determination date for the calendar month immediately preceding such interest determination date, the eleventh district cost of funds rate will remain the eleventh district cost of funds rate for the immediately preceding interest reset period, or, if there was no interest reset period, the rate of interest payable will be the initial interest rate.

EURIBOR Notes

EURIBOR notes will bear interest at the interest rates specified in the applicable pricing supplement. That interest rate will be based on EURIBOR and any spread and/or spread multiplier and will be subject to the minimum interest rate and the maximum interest rate, if any.

EURIBOR will be the rate for deposits in euro, as sponsored, calculated and published jointly by the European Banking Federation and ACI—The Financial Market Association, or any company established by the joint sponsors for purposes of compiling and publishing those rates, having the index maturity specified in the applicable pricing supplement, commencing on the applicable interest reset date, as the rate appears on Reuters page EURIBOR01 (or any other page as may replace page EURIBOR01) as of 11:00 A.M., Brussels time, on the applicable interest determination date.

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The following procedures will be followed if the rate cannot be determined as described above:

If the above rate does not appear on Reuters page EURIBOR01 (or any other page as may replace page EURIBOR01), or is not so published by 11:00 A.M., Brussels time, on the applicable interest determination date, EURIBOR for such interest determination date will be the rate calculated by the calculation agent as the arithmetic mean of at least two quotations obtained by the calculation agent after requesting the principal Euro-zone (as defined below) offices of four major banks in the Euro-zone interbank market, which may include us, as selected by the calculation agent, to provide the calculation agent with its offered quotation for deposits in euro for the period of the index maturity designated in the applicable pricing supplement, commencing on the applicable interest reset date, to prime banks in the Euro-zone interbank market at approximately 11:00 A.M., Brussels time, on the applicable interest determination date and in a principal amount not less than the equivalent of U.S.\$1,000,000 in euro that is representative for a single transaction in euro in such market at such time.

If fewer than two quotations are so provided, the rate on the applicable interest determination date will be calculated by the calculation agent and will be the arithmetic mean of the rates quoted at approximately 11:00 A.M., Brussels time, on such interest determination date by four major banks in the Euro-zone interbank market, as selected by the calculation agent, for loans in euro to leading European banks, having the index maturity designated in the applicable pricing supplement, commencing on the applicable interest reset date and in principal amount not less than the equivalent of U.S.\$1,000,000 in euro that is representative for a single transaction in euro in such market at such time.

If the banks so selected by the calculation agent are not quoting as set forth above, EURIBOR for that interest determination date will remain EURIBOR for the immediately preceding interest reset period, or, if there was no interest reset period, the rate of interest payable will be the initial interest rate.

“**Euro-zone**” means the region comprising member states of the European Union that have adopted a single currency in accordance with the relevant treaty of the European Union, as amended.

Federal Funds Rate Notes

Federal funds rate notes will bear interest at the interest rates specified in the applicable pricing supplement. Those interest rates will be based on the federal funds rate and any spread and/or spread multiplier and will be subject to the minimum interest rate and the maximum interest rate, if any.

The “federal funds rate” means, for any interest determination date, the rate on that date for federal funds as published in H.15(519) under the heading “Federal Funds (Effective)” as that rate is displayed on Reuters page FEDFUNDS1 (or any other page as may replace page FEDFUNDS1).

The following procedures will be followed if the federal funds rate cannot be determined as described above:

If such rate does not appear on Reuters page FEDFUNDS1 (or any other page as may replace page FEDFUNDS1) or is not so published by 3:00 P.M., New York City time, on the calculation date pertaining to such interest determination date, the Federal Funds Rate will be the rate on such interest determination date as published in H.15 Daily Update, or such other recognized electronic source used for the purpose of displaying such rate, under the heading "Federal Funds (Effective)."

If such rate does not appear on Reuters page FEDFUNDS1 (or any other page as may replace page FEDFUNDS1) or is not yet published in H.15(519), H.15 Daily Update or another recognized electronic source by 3:00 P.M., New York City time, on such calculation date, the Federal Funds Rate will be calculated by the calculation agent and will be the arithmetic mean on such interest determination date of the rates for the last transaction in overnight United States dollar federal funds quoted by each of three leading dealers in federal funds transactions in The City of New York (which may include us or our affiliates) selected by the calculation agent, prior to 9:00 A.M., New York City time, on such interest determination date.

If the dealers selected by the calculation agent are not quoting as set forth above, the federal funds rate for that interest determination date will remain the federal funds rate for the immediately preceding interest reset period, or, if there was no interest reset period, the rate of interest payable will be the initial interest rate.

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LIBOR Notes

LIBOR notes will bear interest at the interest rates specified in the applicable pricing supplement. That interest rate will be based on the London Interbank Offered Rate, which is commonly referred to as LIBOR, and any spread and/or spread multiplier and will be subject to the minimum interest rate and the maximum interest rate, if any.

The calculation agent will determine "LIBOR" for each interest determination date as follows:

As of the interest determination date, LIBOR will be the arithmetic mean of the offered rates appearing on the Reuters Page LIBOR01 (as defined herein), as of 11:00 A.M., London time, on the relevant interest determination date, for deposits of the Designated LIBOR Currency having the relevant index maturity commencing on the relevant interest reset date, if at least two offered rates appear on Reuters Page LIBOR01, provided that if Reuters Page LIBOR01 by its terms provides only for a single rate, that single rate will be used. Your pricing supplement will indicate the Designated LIBOR Currency, the index maturity and the reference page that apply to your LIBOR note. If no reference page is mentioned in your pricing supplement, Reuters Page LIBOR01 will apply to your LIBOR note.

If (a) fewer than two offered rates appear and the Reuters Page LIBOR01 does not by its terms provide only for a single rate or (b) no rate appears and the Reuters Page LIBOR01 by its terms provides only for a single rate, then the calculation agent will request the principal London offices of each of four major reference banks (which may include us or our affiliates) in the London interbank market, as selected by the calculation agent, to provide the calculation agent with its offered quotation for deposits in the Designated LIBOR Currency for the period of the index maturity specified in the applicable pricing supplement, commencing on the applicable interest reset date, to prime banks in the London interbank market at approximately 11:00 A.M., London time, on such interest determination date and in a principal amount that is representative for a single transaction in the Designated LIBOR Currency in such market at such time. If at least two such quotations are so provided, then LIBOR on such interest determination date will be the arithmetic mean of such quotations.

- If fewer than two such quotations are so provided by the major reference banks, then LIBOR on such interest determination date will be the arithmetic mean of the rates quoted at approximately 11:00 A.M., in the applicable principal financial center, on such interest determination date by three major banks (which may include us or our affiliates) in such principal financial center selected by the calculation agent for loans in the Designated LIBOR Currency to leading European banks, having the index maturity specified in the applicable pricing supplement and in a principal amount that is representative for a single transaction in the Designated LIBOR Currency in such market at such time.

If the banks so selected by the calculation agent are not quoting as set forth above, LIBOR for that interest determination date will remain LIBOR for the immediately preceding interest reset period, or, if there was no interest reset period, the rate of interest payable will be the initial interest rate.

“Reuters Page LIBOR01” means the display designated as “LIBOR01” on Reuters 3000 Xtra (or any successor service) (or such other page as may replace Page LIBOR01 on Reuters 3000 Xtra or any other successor service).

“Reuters page” means the display on Reuters 3000 Xtra, or any successor service, on the page or pages specified in this prospectus supplement or the relevant pricing supplement, or any replacement page or pages on that service.

Prime Rate Notes

Prime rate notes will bear interest at the interest rates specified in the applicable pricing supplement. That interest rate will be based on the prime rate and any spread and/or spread multiplier, and will be subject to the minimum interest rate and the maximum interest rate, if any.

The “prime rate” means, for any interest determination date, the rate on that date as published in H.15(519) under the heading “Bank Prime Loan.”

The following procedures will be followed if the prime rate cannot be determined as described above:

If the above rate is not published by 3:00 P.M., New York City time, on the calculation date pertaining to such interest determination date, the prime rate on such interest determination date will be the rate on such interest determination date as published in H.15 Daily Update, under the heading “U.S. Bank Prime Rates” or in another recognized electronic source used for the purpose of displaying such rate.

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If such rate is not yet published in H.15(519), H.15 Daily Update or another recognized electronic source by 3:00 P.M., New York City time, on such calculation date, the prime rate shall be calculated by the calculation agent and will be the arithmetic mean of the rates of interest publicly announced by each bank that appears on the Reuters Screen US PRIME 1 Page (as hereinafter defined) as such bank's prime rate or base lending rate as of 11.00 A.M., New York City time, on such interest determination date.

If fewer than four such rates so appear on the Reuters Screen US PRIME 1 Page by 3:00 P.M., New York City time, for such interest determination date, then the prime rate shall be the arithmetic mean of the prime rates or base lending rates quoted on the basis of the actual number of days in the year divided by a 360-day year as of the close of business on such interest determination date by four major money center banks (which may include us or our affiliates) in The City of New York selected by the calculation agent.

If fewer than four such quotations are so provided, then the prime rate shall be the arithmetic mean of three prime rates quoted on the basis of the actual number of days in the year divided by a 360-day year as of the close of business on such interest determination date as furnished in The City of New York by the major money center banks, if any, that have provided such quotations and by substitute banks or trust companies (which may include us or our affiliates), provided such substitute banks or trust companies are organized and doing business under the laws of the United States, or any State thereof, each having total equity capital of at least \$500 million and being subject to supervision or examination by a Federal or state authority, selected by the calculation agent to provide such rate or rates.

If the banks or trust companies selected by the calculation agent are not quoting as set forth above, the prime rate for such interest determination date will remain the prime rate for the immediately preceding interest reset period, or, if there was no interest reset period, the rate of interest payable will be the initial interest rate.

“Reuters Screen US PRIME 1 Page” means the display designated as page “US PRIME 1” on the Reuters Monitor Money Rates Service, or any successor service, or any other page as may replace the US PRIME 1 Page on that service for the purpose of displaying prime rates or base lending rates of major United States banks.

Treasury Rate Notes

Treasury rate notes will bear interest at the interest rates specified in the applicable pricing supplement. That interest rate will be based on the Treasury rate and any spread and/or spread multiplier and will be subject to the minimum interest rate and the maximum interest rate, if any.

The “Treasury rate” will be determined as of each interest determination date relating to a Treasury rate note and will be the rate from the auction held on such interest determination date, which we refer to as the auction, of direct

obligations of the United States, which are commonly referred to as “**Treasury Bills**,” having the index maturity specified in the applicable pricing supplement as such rate appears on Reuters, or any successor service, on page USAUCTION 10 (or any other page as may replace page USAUCTION 10 on that service), which we refer to as “Reuters Page USAUCTION 10,” or on page USAUCTION 11 (or any other page as may replace page USAUCTION 11 on that service), which we refer to as “Reuters Page USAUCTION 11.”

The following procedures will be followed if the Treasury rate cannot be determined as described above.

If the above rate is not so published by 3:00 P.M., New York City time, on the related calculation date, the Treasury rate shall be calculated by the calculation agent and will be the bond equivalent yield (as defined below) of the auction rate for such Treasury Bills as published in H.15 Daily Update, or such other recognized electronic source used for the purposes of displaying such rate, under the caption “U.S. Government Securities/Treasury Bills/Auction High.”

If such rate is not so published by 3:00 P.M., New York City time, on the related calculation date, the Treasury rate will be calculated by the calculation agent and shall be the bond equivalent yield of the auction rate of such Treasury Bills as announced by the United States Department of the Treasury.

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In the event that the auction rate of Treasury Bills having the index maturity specified in the applicable pricing supplement is not so announced by the United States Department of the Treasury, or if no such auction is held, then the Treasury rate will be calculated by the calculation agent and will be the bond equivalent yield of the arithmetic mean of the secondary market bid rates, as of approximately 3:30 P.M., New York City time, on such interest determination date, of three primary United States government securities dealers (which may include us or our affiliates) selected by the calculation agent, for the issue of Treasury Bills with a remaining maturity closest to the index maturity specified in the applicable pricing supplement.

If the dealers selected by the calculation agent are not quoting as set forth above, the Treasury rate for such interest determination date will remain the Treasury rate for the immediately preceding interest reset period, or, if there was no interest reset period, the rate of interest payable will be the initial interest rate.

The “**bond equivalent yield**” means a yield (expressed as a percentage) calculated in accordance with the following formula:

$$\text{bond equivalent yield} = \frac{D \times N}{360 - (D \times M)} \times 100$$

In this formula, “**D**” refers to the applicable per annum rate for Treasury Bills quoted on a bank discount basis, “**N**” refers to 365 or 366, as the case may be, and “**M**” refers to the actual number of days in the interest period for which interest is being calculated.

Interest and Principal Payments

Paying Agent

We have appointed Deutsche Bank Trust Company Americas, 60 Wall Street, New York, NY 10005 as our current paying agent for the notes. We may appoint one or more financial institutions to act as our paying agents at whose designated offices notes in certificated (*i.e.*, definitive) form may be surrendered for payment at their maturity. We may add, replace or terminate paying agents from time to time. We may also choose to act as our own paying agent. We will notify you of changes in the paying agents.

Payments of Interest

The paying agent will pay interest, if any, to the person in whose name the note is registered at the close of business on the applicable record date. However, upon maturity, redemption or repayment, the paying agent will pay any interest due to the person to whom it pays the principal of the note. The paying agent will make the payment of interest on the date of maturity, redemption or repayment, whether or not that date is an interest payment date. The paying agent will make the initial interest payment on a note on the first interest payment date falling after the date of issuance. However, if the period of time between the issue date and the first interest payment date thereafter is less than the period of time between a record date and an interest payment date, interest will not be paid on the first interest payment date, but will be paid on the second interest payment date.

Book-entry and other indirect owners should consult their banks or brokers for information on how they will receive payments on their notes.

Payment Procedures for Notes Denominated in U.S. Dollars

Payments on Global Notes. The paying agent will make payments of principal, premium, if any, and interest, if any, to the account of the Depositary, as holder of the global notes, by wire transfer of immediately available funds or transfer of other property. We expect that the Depositary, upon receipt of any payment, will immediately credit its participants' accounts in amounts proportionate to their respective beneficial interests in the global notes as shown on the records of the Depositary. We also expect that payments by the Depositary's participants to owners of beneficial interests in the global notes will be governed by standing customer instructions and customary practices and will be the responsibility of those participants.

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Payments on Certificated Notes. The paying agent will make U.S. dollar payments on the notes as follows:

the principal, premium (if any) or interest (if any) due at maturity or, if applicable, earlier redemption or repayment, shall be paid in immediately available funds or transfer of other property only upon presentation of such certificated note at the corporate trust office of the paying agent;

the interest (if any) due on each interest payment date (other than interest payable at maturity, early redemption or repayment) shall be paid by check mailed to the record holder of such certificated note on the record date; or

for holders of the equivalent of at least U.S. \$10,000,000 in aggregate principal amount of certificated notes (having identical tenor and terms), the interest shall be paid on each interest payment date by wire transfer of immediately available funds, if appropriate wire transfer instructions have been received by the paying agent not less than 16 days prior to such interest payment date.

Payment Procedures for Notes Denominated in a Foreign Currency

Payments on Global Notes. While we anticipate making payments of principal, premium, if any, and interest, if any, on most debt securities in U.S. dollars, some debt securities may be payable in foreign currencies as specified in the applicable pricing supplement. Currently, few facilities exist in the United States to convert U.S. dollars into foreign currencies and vice versa. In addition, most U.S. banks do not offer non-U.S. dollar denominated checking or savings account facilities. Accordingly, unless alternative arrangements are made, we will pay principal, premium, if any, and interest, if any, on debt securities that are payable in a foreign currency to an account at a bank outside the United States, which, in the case of a debt security payable in euro, will be made by credit or transfer to a euro account specified by the payee in a country for which the euro is the lawful currency.

Payments on Certificated Notes. Payments made by us on foreign currency notes will be made in U.S. dollars, unless otherwise specified in the applicable pricing supplement or unless the holder elects to receive payments in the specified currency (if this right is set forth in the applicable pricing supplement). If so specified, a holder may elect to receive payment in the specified currency for certain specified payments or all payments (in which case a holder would no longer need to file a separate election for each payment). To make such an election, the paying agent must receive a written request from the holder:

- for payments of interest, on a date prior to the record date for the relevant interest payment date; or

for payments of principal, at least 10 calendar days prior to the maturity date (or any redemption date or repayment date);

provided, that any such election is irrevocable as to the next succeeding payment to which it relates. If such election is made as to full payment on a note, the election may thereafter be revoked so long as the paying agent is notified of the revocation within the time period set forth above.

Banks in the United States offer non-U.S. dollar-denominated checking or savings account facilities in the United States only on a limited basis. Accordingly, unless otherwise indicated in the applicable pricing supplement, payments of principal of, premium (if any) and interest (if any) on foreign currency notes to be made in a specified currency other than U.S. dollars will be made to an account at a bank outside the United States that is acceptable to both us and the paying agent, unless we agree to alternative arrangements.

Indirect holders (including those who hold notes in street name) should consult their banks or broker-dealers for information on how to request payment in the specified currency and to ascertain the deadline for giving instructions to them in order to ensure that timely notice will be delivered to the paying agent.

If the holder does not elect to be paid in the specified currency, we will make payments in U.S. dollars as follows:

the principal, premium (if any) or interest (if any) due at maturity or, if applicable, earlier redemption or repayment, shall be paid in immediately available funds only upon presentation of such certificated note at the corporate trust office of the paying agent;

the interest (if any) due on each interest payment date (other than interest payable at maturity, early redemption or repayment) shall be paid by check mailed to the record holder of such certificated note on the record date; or

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for holders of the equivalent of at least U.S. \$10,000,000 in one or more foreign currencies or currency units in aggregate principal amount of certificated notes (having identical tenor and terms), the interest shall be paid on each interest payment date by wire transfer of immediately available funds, if appropriate wire transfer instructions have been received by the paying agent not less than 16 days prior to such interest payment date.

Determination of Exchange Rate for Payments in U.S. Dollars for Notes Denominated in a Foreign Currency.

Deutsche Bank AG, London Branch, will act as exchange rate agent and convert the specified currency into U.S. dollars for holders who will be receiving payments in U.S. dollars rather than the specified currency. Unless otherwise provided in the applicable pricing supplement, the conversion will be based on the highest bid quotation in The City of New York received by the exchange rate agent at approximately 11:00 A.M., New York City time, on the second business day preceding the applicable payment date from three recognized foreign exchange dealers for the purchase by the quoting dealer:

- of the specified currency for U.S. dollars for settlement on the payment date;
- in the aggregate amount of the specified currency payable to those holders or beneficial owners of notes; and
- at which the applicable dealer commits to execute a contract.

One of the dealers providing quotations may be the exchange rate agent, even if such agent is an affiliate of ours. If those bid quotations are not available, payments will be made in the specified currency. The holders or beneficial owners of notes will pay all currency exchange costs by deductions from the amounts payable on the notes.

Adoption of Euro. If a country that is or becomes a member state of the European Union decides to participate in Stage III of the European Economic and Monetary Union (EMU) and adopts or has adopted the euro, then all payment amounts in respect of notes denominated or payable in the currency of such country will be calculated in euro in conformity with legally applicable measures taken pursuant to, or by virtue of, applicable law, and such payment will not constitute an event of default under the senior indenture or the notes. However, a holder will receive actual payment on such notes in U.S. dollars instead of euro, as described in “—Payment on Global Notes” and “—Payment on Certificated Notes” above, unless the appropriate election is made to receive the payment in the specified currency.

Unavailability of Foreign Currency. The relevant specified currency may not be available to us for making payments of principal of, premium on (if any) or interest (if any) on any note. This could occur (a) due to the imposition of exchange controls or other circumstances beyond our control; (b) if a currency unit is no longer used for the purposes for which it was established; or (c) if the specified currency is no longer used by the government of the country issuing that currency or by public institutions within the international banking community for the settlement of transactions, in each such case as determined in good faith by us.

Except with respect to notes denominated or payable in currencies of existing members of, or candidate countries to the European Union, that subsequently adopt the euro (as described in “—Adoption of Euro” above), if the specified currency is unavailable, we may satisfy our obligations to holders of the notes by making those payments on the date of payment in U.S. dollars or such foreign currency or currency unit as may be specified in the applicable pricing supplement. This “substitute currency” will become the currency of payment on each payment date occurring after the last date on which the specified currency was available, which we refer to as the “conversion date” (but such specified currency will, at our election, resume being the currency of payment on the first such payment date preceded by 15 business days during which the circumstances which gave rise to the change of currency no longer prevail, in each case, as determined in good faith by us).

The substitute currency amount to be paid by us to the paying agent and by the paying agent to the holder of a note with respect to such payment date will be the currency equivalent or currency unit equivalent (each as defined below) of the specified currency as determined by the exchange rate agent (which determination will be delivered in writing to the paying agent not later than the fifth business day prior to the applicable payment date) as of the conversion date or, if later, the date most recently preceding the payment date in question on which such determination is possible of performance, but not more than 15 business days before such payment date. Such conversion date or date preceding a payment date is referred to as the “**substitute currency valuation date.**” Any payment in a substitute currency under the circumstances described above will not constitute an event of default under the notes.

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The “**currency equivalent**” will be determined by the exchange rate agent as of each substitute currency valuation date and will be obtained by converting the specified currency (unless the specified currency is a currency unit) into the substitute currency at the market exchange rate (as defined below) on the substitute currency valuation date.

The “**currency unit equivalent**” will be determined by the exchange rate agent as of each substitute currency valuation date and will be the sum obtained by adding together the results obtained by converting the specified amount of each initial component currency into the substitute currency at the market exchange rate on the substitute currency valuation date for such component currency.

“**Component currency**” means any currency which, on the conversion date, was a component currency of the relevant currency unit.

“**Market exchange rate**” means, as of any date, for any specified currency (including any currency unit), the noon buying rate for such currency in New York City for cable transfers payable in foreign currencies, as reported by the Federal Reserve Bank of New York. If the market exchange rate is not available for any reason with respect to one or more currencies or currency units for which an exchange rate is required, the exchange rate agent will use, in its sole discretion and without liability on its part, such quotation of the Federal Reserve Bank of New York as of the most recent available date, or quotations from one or more major banks in New York City or in the country of issue of the currency or currency unit in question, or such other quotations as the exchange rate agent shall deem appropriate. If there is more than one market for dealing in any currency or currency unit by reason of foreign exchange regulations or otherwise, the market to be used in respect of such currency or currency unit will be that upon which a non-resident issuer of securities designated in such currency or currency unit would, as determined in its sole discretion and without liability on the part of the exchange rate agent, purchase such currency or currency unit in order to make payments in respect of such securities.

“**Specified amount**” of a component currency means the number of units (including decimals) which such component currency represented in the relevant currency unit, on the conversion date or the substitute currency valuation date or the last date the currency unit was so used, whichever is later. If after such date the official unit of any component currency is altered by way of combination or subdivision, the specified amount of such component currency will be divided or multiplied in the same proportion. If after such date two or more component currencies are consolidated into a single currency, the respective specified amounts of such component currencies will be replaced by an amount in such single currency equal to the sum of the respective specified amounts of such consolidated component currencies expressed in such single currency, and such amount will thereafter be a specified amount and such single currency will thereafter be a component currency. If after such date any component currency will be divided into two or more currencies, the specified amount of such component currency will be replaced by specified amounts of such two or more currencies, the sum of which, at the market exchange rate of such two or more currencies on the date of such replacement, will be equal to the specified amount of such former component currency and such amounts will thereafter be specified amounts and such currencies will thereafter be component currencies.

All determinations referred to above made by us will be at our sole discretion and will, in the absence of manifest error, be conclusive for all purposes and binding on holders.

Exchange Rate Agent. If we issue a note in a specified currency other than U.S. dollars, we will appoint a financial institution to act as the exchange rate agent. Unless otherwise specified in the applicable pricing supplement, the exchange rate agent will be Deutsche Bank AG, London Branch. We may change the exchange rate agent from time to time after the original issue date of the note without your consent and without notifying you of the change.

All determinations made by the exchange rate agent will be at its sole discretion unless we state in a pricing supplement that any determination is subject to our approval. In the absence of manifest error, those determinations will be conclusive for all purposes and binding on you and us, without any liability on the part of the exchange rate agent.

Redemptions and Repurchases of Notes

Optional Redemption. Unless otherwise indicated in the applicable pricing supplement, the notes will not be redeemable prior to maturity. If redemption is provided for in the applicable pricing supplement, we will have the option to redeem a note on and after the date, if any, fixed at the time of sale, which we refer to as the initial

redemption date. Unless otherwise specified in the applicable pricing supplement, on and after a note's initial redemption date, we will have the option to redeem such note in whole or in part in increments of \$1,000 principal amount (or, if such note is denominated in a foreign currency, in such other amount in one or more foreign currencies or currency units as shall be set forth in the applicable pricing supplement) at a redemption price determined in accordance with the following, together with accrued and unpaid interest, if any, payable on the date of redemption.

Unless otherwise specified in the applicable pricing supplement, the redemption price for each note or part thereof subject to redemption shall be:

- (i) in the case of an interest-bearing note, the principal amount of such note or part thereof redeemed, or
- (ii) in the case of a non-interest-bearing note, an amount equal to the issue price thereof plus accrued original issue discount to the redemption date,

multiplied in each case by an initial redemption percentage, which shall be the percentage set forth in the applicable pricing supplement, of, in the case of a non-interest-bearing note, the face amount (and in the case of an interest-bearing note, the principal amount) of such note and, if applicable, shall decline on each anniversary of the initial redemption date by the annual redemption percentage reduction set forth in the applicable pricing supplement; *provided, however*, that in no event shall the redemption price be less than 100% of such principal amount or face amount, as the case may be, unless otherwise specified in the applicable pricing supplement. The initial redemption percentage and any annual redemption percentage reduction with respect to each note subject to redemption prior to maturity will be fixed at the time of sale and set forth in the applicable pricing supplement. We will mail a notice of redemption to each holder by first-class mail, postage prepaid, at least 30 days and not more than 60 days prior to the date fixed for redemption, or within the redemption notice period designated in the applicable pricing supplement, to the address of each holder as that address appears upon the books maintained by the paying agent.

Repayment at Option of Holder. If applicable, the pricing supplement relating to each note will indicate that the holder has the option to have us repay the note on one or more optional repayment dates specified prior to its maturity date. Unless otherwise specified in the applicable pricing supplement, the repayment price will be equal to 100% of the principal amount of the note, together with accrued interest to the date of repayment. For notes issued with original issue discount, the repayment price is described under "Description of Notes—Types of Notes—Original Issue Discount Notes."

Unless otherwise specified in the applicable pricing supplement, for us to repay a note, the paying agent must receive the following at least 30 days but not more than 60 days prior to the repayment date:

- the note with the form entitled "Option to Elect Repayment" (as included in the applicable pricing supplement); or

a telegram, telex, facsimile transmission or a letter from a member of a national securities exchange or FINRA, or from a commercial bank or trust company in the United States, setting forth the name of the holder of the note, the principal amount of the note, the principal amount of the note to be repaid, the certificate number or a description of the tenor and terms of the note, a statement that the option to elect repayment is being exercised and a guarantee that the note to be repaid, together with the duly completed form entitled "Option to Elect Repayment," with any unmatured coupons will be received by the paying agent not later than the fifth business day after the date of that telegram, telex, facsimile transmission or letter. However, the telegram, telex, facsimile transmission or letter will only be effective if that note and form duly completed are received by the paying agent by the fifth business day after the date of that telegram, telex, facsimile transmission or letter.

Exercise of the repayment option by the holder of a note will be irrevocable. The holder may exercise the repayment option for less than the entire principal amount of the note but, in that event, the principal amount of the note remaining outstanding after repayment must be an authorized denomination.

Special Requirements for Optional Repayment of Global Notes. If a note is represented by a global note, the Depository or the Depository's nominee will be the holder of the note and therefore will be the only entity that can exercise a right to repayment. In order to ensure that the Depository's nominee will timely exercise a right to repayment of a particular note, the beneficial owner of the note must instruct the broker or other direct or indirect participant through which it holds an interest in the note to notify the Depository of its desire to exercise a

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right to repayment. Different firms have different cut-off times for accepting instructions from their customers and, accordingly, each beneficial owner should consult the broker or other direct or indirect participant through which it holds an interest in a note in order to ascertain the cut-off time by which an instruction must be given in order for timely notice to be delivered to the Depositary.

Street name and other indirect owners should contact their banks or brokers for information about how to exercise a repayment right in a timely manner.

Open Market Purchases. We may purchase notes at any price in the open market or otherwise. Notes so purchased by us may, at our discretion, be held or resold or surrendered to the trustee for cancellation.

Form, Exchange and Transfer

Certificated (*i.e.*, definitive) notes may be registered or transferred at the office of Deutsche Bank Trust Company Americas, 60 Wall Street, New York, New York, 10005, as our current transfer agent for the transfer and exchange of the notes. If a note is issued as a global note, only the depositary will be entitled to transfer and exchange the note as described in this subsection, because it will be the only holder of the note. Global notes may be transferred and exchanged only in the manner and to the extent set forth under “Forms of Securities—Global Securities” in the accompanying prospectus.

Transfer Agent. We may appoint entities other than, or in addition to, the trustee to perform the functions of a transfer agent, or we may perform them ourselves. We may cancel the appointment of any particular transfer agent. We may also approve a change in the office through which any transfer agent acts. If we have designated additional transfer agents for a particular note, they will be named in the applicable pricing supplement.

Redemptions and Repurchases. We will not be required to:

register the transfer or exchange of any note if the holder has exercised the holder’s right, if any, to require us to repurchase the note, in whole or in part, except the portion of the note not required to be repurchased;

register the transfer or exchange of notes to be redeemed for a period of fifteen calendar days preceding the mailing of the relevant notice of redemption; or

register the transfer or exchange of any registered note selected for redemption in whole or in part, except the unredeemed or unpaid portion of that registered note being redeemed in part.

Charges. No service charge will be made for any registration or transfer or exchange of notes, but we may require payment of a sum sufficient to cover any tax or other governmental charge payable in connection with the registration of transfer or exchange of notes.

Replacement of Notes

At the expense of the holder, we may, in our discretion, replace any notes that become mutilated, destroyed, lost or stolen or are apparently destroyed, lost or stolen. The mutilated notes must be delivered to the trustee, the paying agent and the registrar or satisfactory evidence of the destruction, loss or theft of the notes must be delivered to us, the paying agent, the registrar and the trustee. At the expense of the holder, an indemnity that is satisfactory to us, the principal paying agent, the registrar, in the case of registered notes, and the trustee may be required before a replacement note will be issued.

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THE DEPOSITARY

The Depository Trust Company, New York, New York will be designated as the depository for any registered global note. Each registered global note will be registered in the name of Cede & Co., the Depository's nominee.

What Is the Depository? The Depository is a limited-purpose trust company organized under the New York Banking Law, a "banking organization" within the meaning of the New York Banking Law, a member of the Federal Reserve System, a "clearing corporation" within the meaning of the New York Uniform Commercial Code, and a "clearing agency" registered pursuant to the provisions of Section 17A of the Securities Exchange Act of 1934, as amended. The Depository holds and provides asset servicing for securities deposited with it by its direct participants. The Depository also facilitates the post-trade settlement of transactions among its direct participants in those securities through electronic computerized book-entry changes in participants' accounts, eliminating the need for physical movement of securities certificates. The Depository's direct participants include both U.S. and non-U.S. securities brokers and dealers, including the agents, banks, trust companies, clearing corporations and other organizations, some of whom and/or their representatives own the Depository. Access to the Depository's book-entry system is also available to others, including both U.S. and non-U.S. brokers and dealers, banks, trust companies and clearing corporations that clear through or maintain a custodial relationship with a participant, either directly or indirectly. The rules applicable to the Depository and its participants are on file with the SEC.

Beneficial Ownership Interests and the Depository's Book-Entry System. Purchases of the notes under the Depository's system must be made by or through its direct participants, which will receive a credit for the notes on the Depository's records. The ownership interest of each actual purchaser of each note (the "**beneficial owner**") is in turn to be recorded on the records of direct and indirect participants. Beneficial owners will not receive written confirmation from the Depository of their purchase, but beneficial owners are expected to receive written confirmations providing details of the transaction, as well as periodic statements of their holdings, from the direct or indirect participants through which the beneficial owner entered into the transaction. Transfers of ownership interests in the notes are to be made by entries on the books of direct and indirect participants acting on behalf of beneficial owners. Beneficial owners will not receive certificates representing their ownership interests in notes, except in the event that use of the book-entry system for the notes is discontinued.

To facilitate subsequent transfers, all notes deposited with the Depository are registered in the name of Cede & Co., or such other name as may be requested by the Depository. The deposit of notes with the Depository and their registration in the name of Cede & Co. or such other nominee of the Depository do not effect any change in beneficial ownership. The Depository has no knowledge of the actual beneficial owners of the notes; the Depository's records reflect only the identity of the direct participants to whose accounts the notes are credited, which may or may not be the beneficial owners. The participants will remain responsible for keeping account of their holdings on behalf of their customers.

Notices and Communications. Conveyance of notices and other communications by the Depositary to direct participants, by direct participants to indirect participants and by direct participants and indirect participants to beneficial owners will be governed by arrangements among them, subject to any statutory or regulatory requirements as may be in effect from time to time.

Voting. Neither the Depositary nor Cede & Co. (nor such other nominee of the Depositary) will consent or vote with respect to the notes unless authorized by a direct participant in accordance with the Depositary's procedures. Under its usual procedures, the Depositary mails an omnibus proxy to us as soon as possible after the applicable record date. The omnibus proxy assigns Cede & Co.'s consenting or voting rights to those direct participants identified in a listing attached to the omnibus proxy to whose accounts the notes are credited on the record date.

Payments. Redemption proceeds, distributions and other payments on the notes will be made to Cede & Co. or such other nominee as may be requested by the Depositary. The Depositary's practice is to credit direct participants' accounts upon the Depositary's receipt of funds or other property and corresponding detail information from us or any agent of ours, on the date payable in accordance with their respective holdings shown on the Depositary's records. Payments by participants to beneficial owners will be governed by standing instructions and customary practices and will be the responsibility of such participant and not of the Depositary or its nominee, the trustee, any agent of ours, or us, subject to any statutory or regulatory requirements that may be in effect from time to time. Payments of redemption proceeds, distributions and other payments to Cede & Co. or such other nominee as may be requested by the Depositary are our responsibility or the responsibility of any paying agent of ours, disbursement of such payments to direct participants will be the responsibility of the

Depository and disbursement of such payments to the beneficial owners will be the responsibility of direct and indirect participants.

Discontinuance of the Depository. The Depository may discontinue providing its services as depository with respect to the notes at any time by giving reasonable notice to us or our agent. Under such circumstances, in the event that a successor depository is not obtained by us within 90 days, security certificates are required to be printed and delivered. See “Forms of Securities—Global Securities” in the accompanying prospectus.

We may decide to discontinue use of the system of book-entry transfers through the Depository or any successor depository. In that event, security certificates will be printed and delivered. See “Forms of Securities—Global Securities” in the accompanying prospectus.

According to the Depository, the foregoing information relating to the Depository has been provided to the financial community for informational purposes only and is not intended to serve as a representation, warranty or contract modification of any kind. The information in this section concerning the Depository and its book-entry system has been obtained from sources we believe to be reliable, but we have not independently verified the accuracy thereof. The Depository may change or discontinue the foregoing procedures at any time. See “Form of Securities” in the accompanying prospectus for additional information about the form of notes.

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SERIES A NOTES OFFERED ON A GLOBAL BASIS

If we offer any of the notes under our Series A program on a global basis, we will so specify in the applicable pricing supplement. The additional information contained in this section under “—Book Entry, Delivery and Form” and “—Global Clearance and Settlement Procedures” will apply to every offering on a global basis. The additional provisions described under “—Tax Redemption” and “—Payment of Additional Amounts” will apply to notes offered on a global basis only if we so specify in the applicable pricing supplement. We have obtained the information in this section concerning Clearstream, Luxembourg and the Euroclear operator, and the book-entry system and procedures from sources that we believe to be reliable, but we have not independently verified the accuracy of this information.

Book-Entry, Delivery and Form

The notes will be issued in the form of one or more fully registered global notes which will be deposited with, or on behalf of, the Depository and registered in the name of Cede & Co., the Depository’s nominee. Beneficial interests in the registered global notes will be represented through book-entry accounts of financial institutions acting on behalf of beneficial owners as direct and indirect participants in the Depository. If specified in the applicable pricing supplement, investors may elect to hold interests in the registered global notes held by the Depository through Clearstream, Luxembourg or the Euroclear operator if they are participants in those systems, or indirectly through organizations which are participants in those systems. Clearstream, Luxembourg and the Euroclear operator will hold interests on behalf of their participants through customers’ securities accounts in Clearstream, Luxembourg’s and the Euroclear operator’s names on the books of their respective U.S. depositories, which in turn will hold such interests in the registered global notes in customers’ securities accounts in the U.S. depositories’ names on the books of the Depository. Citibank N.A. will act as depository for Clearstream, Luxembourg and JPMorgan Chase Bank, N.A. will act as depository for the Euroclear operator. We refer to each of Citibank, N.A. and JPMorgan Chase Bank, N.A., acting in this depository capacity, as the “**U.S. depository**” for the relevant clearing system. Except as set forth below, the registered global notes may be transferred, in whole but not in part, only to the Depository, another nominee of the Depository or to a successor of the Depository or its nominee.

Clearstream, Luxembourg has advised us that it is incorporated under the laws of Luxembourg as a société anonyme and is subject to regulation by the Luxembourg Commission for the Supervision of the Financial Sector (Commission de Surveillance du Secteur Financier). Clearstream, Luxembourg is owned by Deutsche Börse AG, a publicly traded company. Clearstream, Luxembourg holds securities for its participating customers, “**Clearstream, Luxembourg customers,**” and facilitates the clearance and settlement of securities transactions between Clearstream, Luxembourg customers through electronic book-entry transfers between their accounts, thereby eliminating the need for physical movement of securities. Clearstream, Luxembourg provides other services to Clearstream, Luxembourg customers, including safekeeping, administration, clearance and settlement of internationally traded securities and securities lending and borrowing. Clearstream, Luxembourg interfaces with domestic securities markets in many countries through established depository and custodial relationships. Clearstream, Luxembourg customers include worldwide securities brokers and dealers, banks, trust companies and clearing corporations and may include professional financial intermediaries. Clearstream, Luxembourg’s U.S. participating customers are limited to securities brokers, dealers and banks. Indirect access to Clearstream, Luxembourg is also available to other institutions such as banks,

brokers, dealers and trust companies that clear through or maintain a custodial relationship with a Clearstream, Luxembourg customer. Clearstream, Luxembourg is an indirect participant in the Depositary. Clearstream, Luxembourg has established an electronic bridge with the Euroclear operator to facilitate settlement of trades between Clearstream, Luxembourg and the Euroclear operator.

Distributions with respect to the notes held through Clearstream, Luxembourg will be credited to cash accounts of Clearstream, Luxembourg customers in accordance with its rules and procedures, to the extent received by the U.S. depositary for Clearstream, Luxembourg.

The Euroclear operator has advised us that the Euroclear System was created in 1968 to hold securities for its participants, "Euroclear participants," and to clear and settle transactions between Euroclear participants through simultaneous electronic book-entry delivery against payment, thereby eliminating the need for physical movement of securities. The Euroclear System is operated by Euroclear Bank SA/NV (the Euroclear operator), under contract with Euroclear plc, a U.K. corporation. The Euroclear operator conducts all operations, and all Euroclear securities clearance accounts and Euroclear cash accounts are accounts with the Euroclear operator,

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not Euroclear plc. Euroclear plc establishes policies for the Euroclear operator on behalf of Euroclear participants. The Euroclear operator is a bank incorporated under the laws of the Kingdom of Belgium. The Euroclear operator is regulated and examined by the Belgian Banking and Finance Commission and the National Bank of Belgium.

The Euroclear operator holds securities and book-entry interests in securities for participating organizations and facilitates the clearance and settlement of securities transactions between Euroclear participants and between Euroclear participants and participants of certain other securities intermediaries through electronic book-entry changes in accounts of such participants or other securities intermediaries. Euroclear participants include securities brokers and dealers, banks (including central banks), trust companies and clearing corporations and other professional financial intermediaries. Indirect access to Euroclear is also available to other institutions such as banks, brokers, dealers and trust companies that clear through or maintain a custodial relationship with a Euroclear participant. Euroclear is an indirect participant in the Depositary.

The Euroclear operator provides Euroclear participants with, among other things, safekeeping, administration, clearance and settlement, securities lending and borrowing and related services.

Non-participants of Euroclear may acquire, hold and transfer book-entry interests in notes through accounts with a direct participant of Euroclear or any other securities intermediary that holds a book-entry interest in the notes through one or more securities intermediaries standing between such other securities intermediary and the Euroclear operator.

Securities clearance accounts and cash accounts with the Euroclear operator are governed by the Terms and Conditions Governing Use of Euroclear and the related Operating Procedures of the Euroclear System, and applicable Belgian law, collectively, the “terms and conditions.” The terms and conditions govern transfers of securities and cash within the Euroclear System, withdrawals of securities and cash from the Euroclear System and receipts of payments with respect to securities in the Euroclear System. All securities in the Euroclear System are held on a fungible basis without attribution of specific certificates to specific securities clearance accounts. The Euroclear operator acts under the terms and conditions only on behalf of Euroclear participants and has no record of or relationship with persons holding through Euroclear participants.