

# Term sheet

To prospectus dated November 21, 2008,  
prospectus supplement dated November 21, 2008 and  
product supplement no. 39-A-VI dated February 22, 2010

JPMORGAN CHASE & CO.

# Term sheet to

Product Supplement No. 39-A-VI  
Registration Statement No. 333-155535  
Dated September 16, 2011; Rule 433

## Structured Investments

JPMorgan Chase & Co.

\$

Buffered Return Enhanced Notes Linked to the Russell 1000® Index due March 21, 2013

## General

- The notes are designed for investors who seek a return of twice the appreciation of the Russell 1000® Index (the "Index"), up to a maximum total return on the notes that will not be less than 18.25%\* or greater than 20.25%\* at maturity. Investors should be willing to forgo interest and dividend payments and, if the Index declines by more than 10%, be willing to lose up to 90% of their principal. **Any payment on the notes is subject to the credit risk of JP Morgan Chase & Co.**
- Senior unsecured debt obligations of JPMorgan Chase & Co. maturing March 21, 2013<sup>†</sup>.
- Minimum denominations of \$1,000 and integral multiples thereof.
- The notes are expected to price on or about September 16, 2011 and are expected to settle on or about September 21, 2011.

## Key Terms

Index:	The Russell 1000® Index ("RIY"). For additional information about the Index, please see Appendix A to this term sheet.
Upside Leverage Factor:	2
Payment at Maturity:	If the Ending Index Level is greater than the Initial Index Level, you will receive a cash payment that provides you with a return per \$1,000 principal amount note equal to the Index Return multiplied by 2, subject to a Maximum Total Return on the notes that will not be less than 18.25%* or greater than 20.25%* at maturity. For example, assuming a Maximum Total Return of 18.25%*, if the Index Return is equal to or greater than 9.125%, you will receive the Maximum Total Return on the notes of 18.25%*, which entitles you to a maximum payment at maturity of \$1,182.50* for every \$1,000 principal amount note that you hold. Accordingly, if the Index Return is positive, your payment per \$1,000 principal amount note will be calculated as follows, subject to the Maximum Total Return:  $\$1,000 + (\$1,000 \times \text{Index Return} \times 2)$ <p>* The actual Maximum Total Return on the notes will be set on the pricing date and will not be less than 18.25% or greater than 20.25%.</p> <p>If the Ending Index Level is equal to or less than the Initial Index Level by up to 10%, you will receive the principal amount of your notes at maturity.</p> <p>If the Ending Index Level is less than the Initial Index Level by more than 10% you will lose 1% of the principal amount of your notes for every 1% that the Index declined beyond 10% and your payment at maturity per \$1,000 principal amount note will be calculated as follows:</p> $\$1,000 + [\$1,000 \times (\text{Index Return} + 10\%)]$ <p><i>If the Ending Index Level is less than the Initial Index Level by more than 10% you would lose up to \$900 per \$1,000 principal amount note at maturity.</i></p>
Buffer Amount:	10%, which results in a minimum payment at maturity of \$100 per \$1,000 principal amount note.
Index Return:	The performance of the Index from the Initial Index Level to the Ending Index Level, calculated as follows:  $\frac{\text{Ending Index Level} - \text{Initial Index Level}}{\text{Initial Index Level}}$
Initial Index Level:	The Index closing level on the pricing date, which is expected to be on or about September 16, 2011.
Ending Index Level:	The Index closing level on the Observation Date.
Observation Date <sup>†</sup> :	March 18, 2013
Maturity Date <sup>†</sup> :	March 21, 2013
CUSIP:	48125X2K1

<sup>†</sup> Subject to postponement in the event of a market disruption event and as described under "Description of Notes — Payment at Maturity" in the accompanying product supplement no. 39-A-VI.

Investing in the Buffered Return Enhanced Notes involves a number of risks. See "Risk Factors" beginning on page PS-10 of the accompanying product supplement no. 39-A-VI and "Selected Risk Considerations" beginning on page TS-2 of this term sheet.

JPMorgan Chase & Co. has filed a registration statement (including a prospectus) with the U.S. Securities and Exchange Commission, or SEC, for the offering to which this term sheet relates. Before you invest, you should read the prospectus in that registration statement and the other documents relating to this offering that JPMorgan Chase & Co. has filed with the SEC for more complete information about JPMorgan Chase & Co. and this offering. You may get these documents without cost by visiting EDGAR on the SEC's website at [www.sec.gov](http://www.sec.gov). Alternatively, JPMorgan Chase & Co., any agent or any dealer participating in this offering will arrange to send you the prospectus, each prospectus supplement, product supplement no. 39-A-VI and this term sheet if you so request by calling toll-free 866-535-9248.

You may revoke your offer to purchase the notes at any time prior to the time at which we accept such offer by notifying the applicable agent. We reserve the right to change the terms of, or reject any offer to purchase the notes prior to their issuance. In the event of any changes to the terms of the notes, we will notify you and you will be asked to accept such changes in connection with your purchase. You may also choose to reject such changes in which case we may reject your offer to purchase.

Neither the SEC nor any state securities commission has approved or disapproved of the notes or passed upon the accuracy or the adequacy of this term sheet, the accompanying product supplement no. 39-A-VI or the accompanying prospectus supplement and prospectus. Any representation to the contrary is a criminal offense.

	Price to Public (1)	Fees and Commissions (2)	Proceeds to Us
Per note	\$	\$	\$
Total	\$	\$	\$

(1) The price to the public includes the estimated cost of hedging our obligations under the notes through one or more of our affiliates.

(2) If the notes priced today and assuming a Maximum Total Return of 18.25%, J.P. Morgan Securities LLC, which we refer to as JPMS, acting as agent for JPMorgan Chase & Co., would receive a commission of approximately \$15.00 per \$1,000 principal amount note and may use a portion of that commission to pay selling concessions to other unaffiliated or affiliated dealers of approximately \$5.00 per \$1,000 principal amount note. This commission includes the projected profits that our affiliates expect to realize, some of which may be allowed to other unaffiliated dealers, for assuming risks inherent in hedging our obligations under the notes. The actual commission received by JPMS may be more or less than \$15.00 and will depend on market conditions on the pricing date. In no event will the commission received by JPMS exceed \$25.00 per \$1,000 principal amount note. See "Plan of Distribution (Conflicts of Interest)" beginning on page PS-184 of the accompanying product supplement no. 39-A-VI.

The notes are not bank deposits and are not insured or guaranteed by the Federal Deposit Insurance Corporation or any other governmental agency, nor are they obligations of, or guaranteed by, a bank.

J.P.Morgan

September 16, 2011

### Additional Terms Specific to the Notes

You should read this term sheet together with the prospectus dated November 21, 2008, as supplemented by the prospectus supplement dated November 21, 2008 relating to our Series E medium-term notes of which these notes are a part, and the more detailed information contained in product supplement no. 39-A-VI dated February 22, 2010. **This term sheet, together with the documents listed below, contains the terms of the notes and supersedes all other prior or contemporaneous oral statements as well as any other written materials including preliminary or indicative pricing terms, correspondence, trade ideas, structures for implementation, sample structures, fact sheets, brochures or other educational materials of ours.** You should carefully consider, among other things, the matters set forth in “Risk Factors” in the accompanying product supplement no. 39-A-VI, as the notes involve risks not associated with conventional debt securities. We urge you to consult your investment, legal, tax, accounting and other advisers before you invest in the notes.

You may access these documents on the SEC’s website at [www.sec.gov](http://www.sec.gov) as follows (or if such address has changed, by reviewing our filings for the relevant date on the SEC website):

- Product supplement no. 39-A-VI dated February 22, 2010:  
[http://www.sec.gov/Archives/edgar/data/19617/000089109210000670/e37841\\_424b2.pdf](http://www.sec.gov/Archives/edgar/data/19617/000089109210000670/e37841_424b2.pdf)
- Prospectus supplement dated November 21, 2008:  
[http://www.sec.gov/Archives/edgar/data/19617/000089109208005661/e33600\\_424b2.pdf](http://www.sec.gov/Archives/edgar/data/19617/000089109208005661/e33600_424b2.pdf)
- Prospectus dated November 21, 2008:  
[http://www.sec.gov/Archives/edgar/data/19617/000089109208005658/e33655\\_424b2.pdf](http://www.sec.gov/Archives/edgar/data/19617/000089109208005658/e33655_424b2.pdf)

Our Central Index Key, or CIK, on the SEC’s website is 19617. As used in this term sheet, the “Company,” “we,” “us” or “our” refers to JPMorgan Chase & Co.

### Selected Purchase Considerations

- **CAPPED APPRECIATION POTENTIAL** — The notes provide the opportunity to enhance equity returns by multiplying a positive Index Return by 2, up to the Maximum Total Return on the notes. The actual Maximum Total Return on the notes will be set on the pricing date and will not be less than 18.25% or greater than 20.25%. Accordingly, the maximum payment at maturity will not be less than \$1,182.50 or greater than \$1,202.50 for every \$1,000 principal amount note. Because the notes are our senior unsecured debt obligations, payment of any amount at maturity is subject to our ability to pay our obligations as they become due.
- **LIMITED BUFFER AGAINST LOSS** — We will pay you your principal back at maturity if the Ending Index Level is not less than the Initial Index Level by more than 10%. If the Ending Index Level declines by more than 10%, as compared to the Initial Index Level, for every 1% decline of the Ending Index Level beyond 10%, you will lose an amount equal to 1% of the principal amount of your notes. Accordingly, at maturity you will receive a payment equal to at least \$100 for each \$1,000 principal amount note.
- **DIVERSIFICATION OF THE RUSSELL 1000® INDEX** — The return on the notes is linked to the performance of the Russell 1000® Index. The Russell 1000® Index consists of the 1,000 largest companies included in the Russell 3000E™ Index and is designed to track the performance of the large capitalization segment of the U.S. equity market. See Appendix A to this term sheet for additional information about the Russell 1000® Index.
- **CAPITAL GAINS TAX TREATMENT** — You should review carefully the section entitled “Certain U.S. Federal Income Tax Consequences” in the accompanying product supplement no. 39-A-VI. As described therein, we and you will agree to characterize and treat the notes for U.S. federal income tax purposes as “open transactions”. Subject to the limitations described therein, and based on certain factual representations received from us, in the opinion of our special tax counsel, Sidley Austin LLP, it is reasonable to treat your purchase and ownership of the notes as “open transactions” for U.S. federal income tax purposes. Assuming this characterization is respected, your gain or loss on the notes should be treated as long-term capital gain or loss if you hold the notes for more than a year, whether or not you are an initial purchaser of notes at the issue price. However, the Internal Revenue Service (the “IRS”) or a court may not respect this characterization or treatment of the notes, in which case the timing and character of any income or loss on the notes could be significantly and adversely affected. For example, the notes could be treated as “contingent payment debt instruments”, as discussed in the section entitled “Certain U.S. Federal Income Tax Consequences” in the accompanying product supplement no. 39-A-VI.

Moreover, on December 7, 2007, the Treasury Department and the IRS released a notice requesting comments on the U.S. federal income tax treatment of “prepaid forward contracts” and similar instruments, such as the notes. The notice focuses in particular on whether to require holders of these instruments to accrue income over the term of their investment. It also asks for comments on a number of related topics, including the character of income or loss with respect to these instruments; the relevance of factors such as the nature of the underlying property to which the instruments are linked; the degree, if any, to which income (including any mandated accruals) realized by Non-U.S. Holders should be subject to withholding tax; and whether these instruments are or should be subject to the “constructive ownership” regime, which very generally can operate to recharacterize certain long-term capital gain as ordinary income that is subject to an interest charge. While the notice requests comments on appropriate transition rules and effective dates, any Treasury regulations or other guidance promulgated after consideration of these issues could materially and adversely affect the tax consequences of an investment in the notes, possibly with retroactive effect. Both U.S. and Non-U.S. Holders should consult their tax advisers regarding the U.S. federal income tax consequences of an investment in the notes, including possible alternative treatments and the issues presented by this notice.

Subject to certain assumptions and representations received from us, the discussion in this section entitled “Capital Gains Tax Treatment”, when read in combination with the section entitled “Certain U.S. Federal Income Tax Consequences” in the accompanying product supplement, constitutes the full opinion



of Sidley Austin LLP regarding the material U.S. federal income tax treatment of owning and disposing of the notes.

### **Selected Risk Considerations**

An investment in the notes involves significant risks. Investing in the notes is not equivalent to investing directly in the Index or in any of the component securities of the Index. These risks are explained in more detail in the “Risk Factors” section of the accompanying product supplement no. 39-A-VI dated February 22, 2010.

- **YOUR INVESTMENT IN THE NOTES MAY RESULT IN A LOSS** — The notes do not guarantee the full return of the principal amount of your notes. The return on the notes at maturity is linked to the performance of the Index and will depend on whether, and the extent to which, the Index Return is positive or negative. Your investment will be exposed to loss if the Ending Index Level is less than the Initial Index Level by more than the 10% buffer. Accordingly, you could lose up to \$900 for each \$1,000 principal amount note that you invest in.
- **YOUR MAXIMUM GAIN ON THE NOTES IS LIMITED TO THE MAXIMUM TOTAL RETURN** — If the Ending Index Level is greater than the Initial Index Level, for each \$1,000 principal amount note, you will receive at maturity \$1,000 plus an additional return that will not exceed a predetermined percentage of the principal amount, regardless of the appreciation in the Index, which may be significant. We refer to this percentage as the Maximum Total Return, which will be set on the pricing date and will not be less than 18.25% or greater than 20.25%.
- **CREDIT RISK OF JPMORGAN CHASE & CO.** — The notes are subject to the credit risk of JPMorgan Chase & Co. and our credit ratings and credit spreads may adversely affect the market value of the notes. Payment on the notes is dependent on JPMorgan Chase & Co.’s ability to pay the amount due on the notes at maturity, and therefore your payment on the notes is subject to our credit risk and to changes in the market’s view of our creditworthiness. Any decline in our credit ratings or increase in the credit spreads charged by the market for taking our credit risk is likely to adversely affect the value of the notes.
- **POTENTIAL CONFLICTS** — We and our affiliates play a variety of roles in connection with the issuance of the notes, including acting as calculation agent and hedging our obligations under the notes. In performing these duties, the economic interests of the calculation agent and other affiliates of ours are potentially adverse to your interests as an investor in the notes. It is possible that such hedging or trading activities could result in substantial returns for us or our affiliates while the value of the notes declines.
- **CERTAIN BUILT-IN COSTS ARE LIKELY TO ADVERSELY AFFECT THE VALUE OF THE NOTES PRIOR TO MATURITY** — While the payment at maturity described in this term sheet is based on the full principal amount of your notes, the original issue price of the notes includes the agent’s commission and the estimated cost of hedging our obligations under the notes. As a result, and as a general matter, the price, if any, at which JPMS will be willing to purchase notes from you in secondary market transactions, if at all, will likely be lower than the original issue price and any sale prior to the maturity date could result in a substantial loss to you. This secondary market price will also be affected by a number of factors aside from the agent’s commission and hedging costs, including those set forth under “Many Economic and Market Factors Will Impact the Value of the Notes” below.

The notes are not designed to be short-term trading instruments. Accordingly, you should be able and willing to hold your notes to maturity.

- **NO INTEREST OR DIVIDEND PAYMENTS OR VOTING RIGHTS** — As a holder of the notes, you will not receive interest payments, and you will not have voting rights or rights to receive cash dividends or other distributions or other rights that holders of securities composing the Index would have.
- **LACK OF LIQUIDITY** — The notes will not be listed on any securities exchange. JPMS intends to offer to purchase the notes in the secondary market but is not required to do so. Even if there is a secondary market, it may not provide enough liquidity to allow you to trade or sell the notes easily. Because other dealers are not likely to make a secondary market for the notes, the price at which you may be able to trade your notes is likely to depend on the price, if any, at which JPMS is willing to buy the notes.
- **WE ARE CURRENTLY ONE OF THE COMPANIES THAT MAKE UP THE INDEX** — We are currently one of the companies that make up the Index. To our knowledge, we are not currently affiliated with any other issuers the equity securities of which are included in the Index. We will not have any obligation to consider your interests as a holder of the notes in taking any corporate action that might affect the value of the Index and the notes.
- **MANY ECONOMIC AND MARKET FACTORS WILL IMPACT THE VALUE OF THE NOTES** — In addition to the closing level of the Index on any day, the value of the notes will be affected by a number of economic and market factors that may either offset or magnify each other, including:
  - the expected volatility of the Index;
  - the time to maturity of the notes;
  - the dividend rate on the equity securities held by the Index;
  - interest and yield rates in the market generally;
  - a variety of economic, financial, political, regulatory and judicial events; and
  - our creditworthiness, including actual or anticipated downgrades in our credit ratings.

### What Is the Total Return and Payment on the Notes at Maturity Assuming a Range of Performance for the Index?

The following table illustrates the hypothetical total return at maturity and hypothetical payment at maturity on the notes. The “total return” as used in this term sheet is the number, expressed as a percentage, that results from comparing the payment at maturity per \$1,000 principal amount note to \$1,000. The hypothetical total returns and hypothetical payments at maturity set forth below reflect the Upside Leverage Factor of 2 and the Buffer Amount of 10% and assume a Maximum Total Return on the notes of 18.25% (the low point of the expected range on the cover of this term sheet) and an Initial Index Level of 670.00 (which is not the actual Initial Index Level applicable to the notes). **The actual Maximum Total Return will be set on the pricing date and will not be less than 18.25% or greater than 20.25%.** The hypothetical total returns and hypothetical payments at maturity set forth below are for illustrative purposes only and may not be the actual total returns or payments at maturity applicable to a purchaser of the notes. The numbers appearing in the following table and examples have been rounded for ease of analysis. These hypothetical returns do not reflect fees or expenses that would be associated with any sale in the secondary market. If these fees and expenses were included, the hypothetical total returns shown below would likely be lower.

Hypothetical Ending Index Level	Hypothetical Index Return	Hypothetical Total Return on Notes	Hypothetical Payment at Maturity
1206.00	80.00%	18.25%	1,182.50
1105.50	65.00%	18.25%	1,182.50
1005.00	50.00%	18.25%	1,182.50
938.00	40.00%	18.25%	1,182.50
871.00	30.00%	18.25%	1,182.50
804.00	20.00%	18.25%	1,182.50
770.50	15.00%	18.25%	1,182.50
737.00	10.00%	18.25%	1,182.50
731.17	9.13%	18.25%	1,182.50
703.50	5.00%	10.00%	1,100.00
676.70	1.00%	2.00%	1,020.00
<b>670.00</b>	<b>0.00%</b>	<b>0.00%</b>	<b>1,000.00</b>
636.50	-5.00%	<b>0.00%</b>	<b>1,000.00</b>
603.00	-10.00%	<b>0.00%</b>	<b>1,000.00</b>
569.50	-15.00%	-5.00%	950.00
469.00	-30.00%	-20.00%	800.00
402.00	-40.00%	-30.00%	700.00
335.00	-50.00%	-40.00%	600.00
268.00	-60.00%	-50.00%	500.00
201.00	-70.00%	-60.00%	400.00
134.00	-80.00%	-70.00%	300.00
67.00	-90.00%	-80.00%	200.00
0	-100.00%	-90.00%	100.00

### Hypothetical Examples of Amounts Payable at Maturity

The following examples illustrate how the total returns set forth in the table on the previous page are calculated.

**Example 1: The level of the Index increases from the Initial Index Level of 670.00 to an Ending Index Level of 703.50.**

Because the Ending Index Level of 703.50 is greater than the Initial Index Level of 670.00 and the Index Return of 5% multiplied by 2 does not exceed the hypothetical Maximum Total Return of 18.25%, the investor receives a payment at maturity of \$1,100 per \$1,000 principal amount note, calculated as follows:

$$\$1,000 + (\$1,000 \times 5\% \times 2) = \$1,100$$

**Example 2: The level of the Index decreases from the Initial Index Level of 670.00 to an Ending Index Level of 636.50.**

Because the Ending Index Level of 636.50 is less than the Initial Index Level of 670.00 by not more than the Buffer Amount of 10%, the investor receives a payment at maturity of \$1,000 per \$1,000 principal amount note.

**Example 3: The level of the Index decreases from the Initial Index Level of 670.00 to an Ending Index Level of 469.00.**

Because the Ending Index Level of 469.00 is less than the Initial Index Level of 670.00 by more than the Buffer Amount of 10%, the investor receives a payment at maturity of \$800 per \$1,000 principal amount note, calculated as follows:

$$\$1,000 + [\$1,000 \times (-30\% + 10\%)] = \$800$$

**Example 4: The level of the Index increases from the Initial Index Level of 670.00 to an Ending Index Level of 804.00.**

Because the Ending Index Level of 804.00 is greater than the Initial Index Level of 670.00, and the Index Return of 10% multiplied by 2 exceeds the hypothetical Maximum Total Return of 18.25%, the investor receives a payment at maturity of \$1,182.50 per \$1,000 principal amount note, the maximum payment on the notes.

**Example 5: The level of the Index decreases from the Initial Index Level of 670.00 to an Ending Index Level of 0.**

Because the Ending Index Level of 0 is less than the Initial Index Level of 670.00 by more than the Buffer Amount of 10%, the investor receives a payment at maturity of \$100 per \$1,000 principal amount note calculated as follows:

$$\$1,000 + [\$1,000 \times (-100\% + 10\%)] = \$100$$

### Historical Information

The following graph sets forth the historical performance of the Russell 1000® Index based on the weekly closing level of the Index from January 6, 2006 through September 9, 2011. The closing level of the Index on September 15, 2011 was 669.61. We obtained the Index closing levels below from Bloomberg Financial Markets. We make no representation or warranty as to the accuracy or completeness of the information obtained from Bloomberg Financial Markets.

The historical levels of the Index should not be taken as an indication of future performance, and no assurance can be given as to the closing level of the Index on the pricing date or the Observation Date. We cannot give you assurance that the performance of the Index will result in the return of your initial investment in excess of \$100 per \$1,000 principal amount note, subject to the credit risk of JPMorgan Chase & Co.





## The Russell 1000® Index

We have derived all information contained in this term sheet regarding the Russell 1000® Index, including, without limitation, its make-up, method of calculation and changes in its components, from publicly available information. Such information reflects the policies of, and is subject to change by, Russell Investments (“Russell”). We make no representation or warranty as to the accuracy or completeness of such information. The Russell 1000® Index was developed by Russell Investment Group (formerly, Frank Russell Company) and is calculated, maintained and published by Russell, a subsidiary of Russell Investment Group. Russell has no obligation to publish, and may discontinue the publication of, the Russell 1000® Index.

The Russell 1000® Index measures the capitalization-weighted price performance of the stocks included in the Russell 1000® Index (the “Russell 1000 Component Stocks”). All stocks included in the Russell 1000® Index are traded on a major U.S. exchange. The Russell 1000® Index consists of the 1,000 largest companies included in the Russell 3000E™ Index, and is designed to track the performance of the large capitalization segment of the U.S. equity market. The Russell 1000® Index represents approximately 92% of the U.S. equity market. The Russell 3000E™ Index is composed of the 4,000 largest U.S. companies as determined by market capitalization and represents approximately 99% of the U.S. equity market.

*Selection of stocks underlying the Russell 1000® Index.* The Russell 1000® Index is a sub-index of the Russell 3000E™ Index. To be eligible for inclusion in the Russell 3000E™ Index, and, consequently, the Russell 1000® Index, a company’s stocks must be listed on the last trading day of May of a given year and Russell must have access to documentation verifying the company’s eligibility for inclusion. Beginning September 2004, eligible initial public offerings are added to Russell U.S. indices at the end of each calendar quarter, based on total market capitalization rankings within the market-adjusted capitalization breaks established during the most recent reconstitution. To be added to any Russell U.S. index during a quarter outside of reconstitution, initial public offerings must meet additional eligibility criteria.

U.S.-incorporated companies are eligible for inclusion in the Russell 3000E™ Index and, consequently, the Russell 1000® Index. Companies incorporated in the following countries/regions are also reviewed for eligibility: Anguilla, Antigua and Barbuda, Bahamas, Barbados, Belize, Bermuda, British Virgin Islands, Cayman Islands, Channel Islands, Cook Islands, Faroe Islands, Gibraltar, Isle of Man, Liberia, Marshall Islands, Netherlands Antilles, Panama, and Turks and Caicos Islands. However, not all companies incorporated in these regions are eligible for inclusion in the Russell 3000E™ Index, and, consequently, the Russell 1000® Index. Companies incorporated in these regions are specifically considered eligible for the Russell 1000® Index only if the company meets one of the following criteria: (i) the company headquarters are in the U.S. or (ii) the company headquarters are also in the designated region/country, and the primary exchange for local shares is in the United States. ADRs are not eligible for inclusion in the Russell 3000E™ Index, and, consequently, the Russell 1000® Index.

The following securities are specifically excluded from the Russell 1000® Index: (i) stocks that are not traded on a major U.S. exchange; (ii) preferred stock, convertible preferred stock, redeemable shares, participating preferred stock, warrants, rights and trust receipts; (iii) royalty trusts, limited liability companies, closed-end investment companies (business development companies or BDCs are eligible), blank check companies, special purpose acquisition companies (SPACs) and limited partnerships. The exclusion of blank check companies and SPACs became effective with the first quarter of 2008, but existing members are grandfathered until the 2008 annual reconstitution. In addition, Berkshire Hathaway is excluded as a special exception.

The primary criteria used to determine the initial list of securities eligible for the Russell 3000E™ Index is total market capitalization, which is defined as the price of the shares times the total number of available shares. All common stock share classes are combined in determining market capitalization. If multiple share classes have been combined, the price of the primary trading vehicle (usually the most liquid) is used in the calculations. In cases where the common stock share classes act independently of each other (e.g., tracking stocks), each class is considered for inclusion separately. Stocks must trade at or above \$1.00 (on their primary exchange) on the last trading day of May of each year to be eligible for inclusion in the Russell 1000® Index. In order to reduce unnecessary turnover, if an existing Russell 1000 Component Stock’s closing price is less than \$1.00 on the last trading day of May, it will be considered eligible if the average of the daily closing prices (from its primary exchange) during the month of May is equal to or greater than \$1.00. Nonetheless, a Russell 1000 Component Stock’s close price (on its primary exchange) on the last trading day in May will be used to calculate market capitalization and index membership. Quarterly IPO additions must have a close price at or above \$1.00 on the last day of their eligibility period in order to qualify for index inclusion. If a stock, new or existing, does not have a close price at or above \$1.00 (on its primary exchange) on the last trading day in May, but does have a close price at or above \$1.00 on another major U.S. exchange, the stock will be eligible for inclusion but the lowest price from a non-primary exchange will be used to calculate market capitalization and index membership.

Companies with a total market capitalization of less than \$30 million are not eligible for inclusion in the Russell 3000<sup>ETM</sup> Index and, consequently, the Russell 1000<sup>®</sup> Index. Companies with only a small portion of their shares available in the marketplace are also not eligible for inclusion in the Russell 3000<sup>ETM</sup> Index and, consequently, the Russell 1000<sup>®</sup> Index. Large capitalization companies with 1% or less float, and small capitalization companies with 5% or less, will be removed from eligibility.

The Russell 1000<sup>®</sup> Index is reconstituted annually to reflect changes in the marketplace. The list of companies is ranked based on total market capitalization as of the last trading day of May, with the actual reconstitution effective on the first trading day following the final Friday of June each year, except that if the last Friday of June of any year is the 28th, 29th or 30th, reconstitution will occur on the preceding Friday. Changes in the constituents are pre-announced and subject to change if any corporate activity occurs or if any new information is received prior to release.

*Capitalization Adjustments.* As a capitalization-weighted index, the Russell 1000<sup>®</sup> Index reflects changes in the capitalization, or market value, of the Russell 1000 Component Stocks relative to the capitalization on a base date. The current Russell 1000<sup>®</sup> Index value is calculated by adding the market values of the Russell 1000 Component Stocks, which are derived by multiplying the price of each stock by the number of available shares, to arrive at the total market capitalization of the 1,000 stocks. The total market capitalization is then divided by a divisor, which represents the “adjusted” capitalization of the Russell 1000<sup>®</sup> Index on the base date of December 31, 1986. To calculate the Russell 1000<sup>®</sup> Index, last sale prices will be used for exchange-traded and NASDAQ stocks. If a Russell 1000 Component Stock is not open for trading, the most recently traded price for that security will be used in calculating the Russell 1000<sup>®</sup> Index. In order to provide continuity for the Russell 1000<sup>®</sup> Index’s value, the divisor is adjusted periodically to reflect events including changes in the number of common shares outstanding for Russell 1000 Component Stocks, company additions or deletions, corporate restructurings and other capitalization changes.

Available shares are assumed to be shares available for trading. Exclusion of capitalization held by other listed companies and large holdings of private investors (10% or more) is based on information recorded in SEC corporate filings. Other sources are used in cases of missing or questionable data.

The following types of shares are considered unavailable for the purposes of capitalization determinations:

- ESOP or LESOP shares – corporations that have Employee Stock Ownership Plans that comprise 10% or more of the shares outstanding are adjusted;
- Corporate cross-owned shares – corporate cross-ownership occurs when shares of a company in the Russell 1000<sup>®</sup> Index are held by another member of a Russell index (including Russell Global Indexes). Any percentage held in this class will be adjusted;
- Large private and corporate shares – large private and corporate holdings are defined as those shares held by an individual, a group of individuals acting together or a corporation not in the Russell 1000<sup>®</sup> Index that own 10% or more of the shares outstanding. However, not to be included in this class are institutional holdings, which are: investment companies not in the Russell 1000<sup>®</sup> Index, partnerships, insurance companies not in the Russell 1000<sup>®</sup> Index, mutual funds, banks not in the Russell 1000<sup>®</sup> Index or venture capital funds;
- Unlisted share classes – classes of common stock that are not traded on a U.S. securities exchange; and
- Initial public offering lock-ups – shares locked-up during an initial public offering are not available to the public and will be excluded from the market value at the time the initial public offering enters the Russell 1000<sup>®</sup> Index.
- Government Holdings:
  - Direct government holders: Those holdings listed as “government of” are considered unavailable and will be removed entirely from available shares;
  - Indirect government holders: Shares held by government investment boards and/or investment arms will be treated similar to large private holdings and removed if the holding is greater than 10%; and

- Government pensions: Any holding by a government pension plan is considered institutional holdings and will not be removed from available shares.

Corporate Actions Affecting the Russell 1000® Index. The following summarizes the types of Russell 1000® Index maintenance adjustments and indicates whether or not a Russell 1000® Index adjustment is required.

- “No Replacement” Rule – Securities that leave the Russell 1000® Index, between reconstitution dates, for any reason (e.g., mergers, acquisitions or other similar corporate activity) are not replaced. Thus, the number of securities in the Russell 1000® Index over a year will fluctuate according to corporate activity.
- Rules for Deletions – When a stock is acquired, delisted or moves to the pink sheets or bulletin boards on the floor of a U.S. securities exchange, the stock is deleted from the Russell 1000® Index at the market close on the effective date or when the stock is no longer trading on the exchange if the corporate action is considered to be final prior to 2:00 p.m. Eastern Standard Time, or the following day if the corporate action is considered to be final after 2:00 p.m. Eastern Standard Time. Companies that file for a Chapter 7 liquidation bankruptcy will be removed from the Russell 1000® Index at the time of the bankruptcy filing; whereas, companies filing for a Chapter 11 reorganization bankruptcy will remain a member of the Russell 1000® Index, unless the company is de-listed from the primary exchange, in which case normal de-listing rules apply. Members of the Russell 1000® Index that are re-incorporated in another country are deleted when the re-incorporation is final.
- Rules for Additions – The only additions between reconstitution dates are as a result of spin-offs, reincorporations and initial public offerings. Spin-off companies are added to the parent company’s index and capitalization tier of membership, if the spin-off company is sufficiently large. To be eligible, the spun-off company’s total market capitalization must be greater than the market-adjusted total market capitalization of the smallest security in the Russell 3000E™ Index at the latest reconstitution. If a U.S. spin-off occurs from a Russell Global ex-U.S. Index member, the spun-off company will be placed in the parent’s index and capitalization tier of the Russell Global Index. A member of the Russell Global Index that is reincorporating to the United States or one of the eligible countries/regions described above will be added to the Russell 3000E™ Index when the reincorporation is final.
- Merger and Acquisition – When mergers or acquisitions occur, changes to the membership and weighting of members within the Russell 1000® Index occur. In the event a merger or acquisition occurs between members of the Russell 1000® Index, the acquired company is deleted and its market capitalization moves to the acquiring stock according to the terms of the merger, hence, mergers have no effect on the Russell 1000® Index total capitalization. Shares are updated for the acquiring stock at the time the transaction is final. If the acquiring company is a member of the Russell 1000® Index, but the acquired company is not, the shares for the acquiring stock are adjusted at month-end. If the acquiring company is not a member of any of the Russell Indexes, there are two possibilities:
  - Reverse Merger – If the acquiring company is a private, non-publicly traded company or OTC company, Russell will review the action to determine if it is considered a reverse merger, defined as a transaction that results in a publicly traded company that meets all requirements for inclusion in a Russell Index. If it is determined that an action is a reverse merger, the newly formed entity will be placed in the appropriate market capitalization index after the close of the day following the completion of the merger. The acquired company will be removed from the current index simultaneously.
  - Standard Action – The acquired company is deleted after the action is final.
- De-listed Stocks – When stocks from the Russell 1000® Index are deleted as a result of exchange de-listing or reconstitution, the price used will be the closing primary exchange price on the day of deletion, or the following day using the closing OTC bulletin board price. However, there may be corporate events, such as mergers or acquisitions, that result in the lack of current market price for the deleted security and in such an instance the latest primary exchange closing price available will be used.
- Rule for Re-Classification and Re-Incorporation – For re-classification of shares, adjustments will be made at the open of the ex-date using previous day closing prices. For re-incorporations, deleted entities will be removed either after the close of the current day using the last traded price, if the re-incorporation achieves final status prior to 2:00 p.m. Eastern Standard Time, or after the close of the following day at the last traded price, if the re-incorporation achieves final status after 2:00 p.m. Eastern Standard Time.

*Updates to Share Capital Affecting the Russell 1000® Index.* Each month, the Russell 1000® Index is updated for changes to shares outstanding as companies report changes in share capital to the SEC. Effective April 30, 2002, only cumulative changes to shares outstanding greater than 5% are reflected in the Russell 1000® Index. This does not affect treatment of major corporate events, which are effective on the ex-date.



Pricing of Securities Included in the Russell 1000<sup>®</sup> Index. Effective on January 1, 2002, primary exchange closing prices are used in the daily Russell 1000<sup>®</sup> Index calculations. FT Interactive data is used as the primary source for U.S. security prices, income, and total shares outstanding. Prior to January 1, 2002, composite closing prices, which are the last trade price on any U.S. exchange, were used in the daily Russell 1000<sup>®</sup> Index calculations.

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