

# Form 5305-RA

(Rev. April 2017)

Department of the Treasury  
Internal Revenue Service

# Roth Individual Retirement Custodial Account (Under Section 408A of the Internal Revenue Code)

## Article I

- 1.01 Except in the case of a qualified rollover contribution described in section 408A(e) or a recharacterized contribution described in section 408A(d)(6), the Custodian will accept only cash contributions up to \$5,500 per year for tax years 2013 through 2017. For individuals who have reached the age of 50 by the end of the tax year, the contribution limit is increased to \$6,500 per year for 2013 through 2017. For tax years after 2017, these limits will be increased to reflect a cost-of-living adjustment, if any.

## Article II

- 2.01 The annual contribution limit described in Article I is gradually reduced to \$0 for higher income levels. For a single Depositor, the annual contribution is phased out between adjusted gross income (AGI) of \$118,000 and \$133,000; for a married Depositor filing jointly, between AGI of \$186,000 and \$196,000; and for a married Depositor filing separately, between AGI of \$0 and \$10,000. These phase-out ranges are for 2017. For years after 2017, the phase-out ranges, except for the \$0 to \$10,000 range, will be increased to reflect a cost-of-living adjustment, if any. Adjusted gross income is defined in section 408A(c)(3).
- 2.02 In the case of a joint return, the AGI limits in the preceding paragraph apply to the combined AGI of the Depositor and his or her spouse.

## Article III

- 3.01 The Depositor's interest in the balance in the Custodial account is nonforfeitable.

## Article IV

- 4.01 No part of the Custodial account funds may be invested in life insurance contracts, nor may the assets of the Custodial account be commingled with other property except in a common Custodial fund or common investment fund (within the meaning of section 408(a)(5)).
- 4.02 No part of the Custodial account funds may be invested in collectibles (within the meaning of section 408(m)) except as otherwise permitted by section 408(m)(3), which provides an exception for certain gold, silver, and platinum coins, coins issued under the laws of any state, and certain bullion.

## Article V

- 5.01 If the Depositor dies before his or her entire interest is distributed to him or her and the Depositor's surviving spouse is not the designated beneficiary, the remaining interest will be distributed in accordance with paragraph (a) below or, if elected or there is no designated beneficiary, in accordance with paragraph (b) below:
- (a) The remaining interest will be distributed, starting by the end of the calendar year following the year of the Depositor's death, over the designated beneficiary's remaining life expectancy as determined in the year following the death of the Depositor.
- (b) The remaining interest will be distributed by the end of the calendar year containing the fifth anniversary of the Depositor's death.
- 5.02 The minimum amount that must be distributed each year under paragraph 5.01(a) above is the account value at the close of business on December 31 of the preceding year divided by the life expectancy (in the single life table in Regulations section 1.401(a)(9)-9) of the designated beneficiary using the attained age of the beneficiary in the year following the year of the Depositor's death and subtracting 1 from the divisor for each subsequent year.
- 5.03 If the Depositor's surviving spouse is the designated beneficiary, such spouse will then be treated as the Depositor.

## Article VI

- 6.01 The Depositor agrees to provide the Custodian with all information necessary to prepare any reports required by sections 408(i) and 408A(d)(3)(E), Regulations sections 1.408-5 and 1.408-6, or other guidance published by the Internal Revenue Service (IRS).
- 6.02 The Custodian agrees to submit to the IRS and Depositor the reports prescribed by the IRS.

## Article VII

- 7.01 Notwithstanding any other articles which may be added or incorporated, the provisions of Articles I through IV and this sentence will be controlling. Any additional articles inconsistent with section 408A, the related regulations, and other published guidance will be invalid.

## Article VIII

- 8.01 This agreement will be amended as necessary to comply with the provisions of the Code, the related regulations, and other published guidance. Other amendments may be made with the consent of the persons whose signatures appear on the Roth IRA Adoption Agreement.

## Article IX

- 9.01 **Applicable Law:** This Custodial Agreement shall be governed by the laws of the state where the Custodian resides. The term Depositor also includes the Depositor's Beneficiary, where appropriate throughout this Agreement.
- 9.02 **Annual Accounting:** The Custodian shall, at least annually, provide the Depositor or Beneficiary (in the case of death) with an accounting of such Depositor's account. Such accounting shall be deemed to be accepted by the Depositor or Beneficiary, if the Depositor or Beneficiary does not object in writing within 60 days after the mailing of such accounting statement.
- 9.03 **Amendment:** The Depositor irrevocably delegates to the Custodian the right and power to amend this Custodial Agreement. Except as hereafter provided, the Custodian will give the Depositor 30 days prior written notice of any amendment. In case of a retroactive amendment required by law, the Custodian will provide written notice to the Depositor of the amendment within 30 days after the amendment is made, or if later, by the time that notice of the amendment is required to be given under regulations or other guidance provided by the IRS. The Depositor shall be deemed to have consented to any such amendment unless the Depositor notifies the Custodian to the contrary within 30 days after notice to the Depositor and requests a distribution or transfer of the balance in the account.
- 9.04 **Resignation and Removal of Custodian:**
- (a) The Custodian may resign and appoint a successor trustee or custodian to serve under this agreement or under another governing instrument selected by the successor trustee or custodian by giving the Depositor written notice at least 30 days prior to the effective date of such resignation and appointment, which notice shall also include or be provided under separate cover a copy of such other governing instrument, if applicable, and the related disclosure statement. The Depositor shall then have 30 days from the date of such notice to either request a distribution of the entire account balance or designate a different successor trustee or custodian and notify the Custodian of such designation. If the Depositor does not request distribution of the account balance or notify the Custodian of the designation of a different successor trustee or custodian within such 30 day period, the Depositor shall be deemed to have consented to the appointment of the successor trustee or custodian and the terms of any new governing instrument, and neither the Depositor nor the successor shall be required to execute any written document to complete the transfer of the account to the successor trustee or custodian. The successor trustee or custodian may rely on any information, including beneficiary designations, previously provided by the Depositor to the Custodian.
- (b) The Depositor may at any time remove the Custodian and replace the Custodian with a successor trustee or custodian of the Depositor's choice

by giving 30 days notice of such removal and replacement. The Custodian shall then deliver the assets of the account as directed by the Depositor. However, the Custodian may retain a portion of the assets of the IRA as a reserve for payment of any anticipated remaining fees and expenses, and shall pay over any remainder of this reserve to the successor trustee or custodian upon satisfaction of such fees and expenses.

- (c) The Custodian may resign and demand that the Depositor appoint a successor trustee or custodian of this IRA by giving the Depositor written notice at least 30 days prior to the effective date of such resignation. The Depositor shall then have 30 days from the date of such notice to designate a successor trustee or custodian, notify the Custodian of the name and address of the successor trustee or custodian, and provide the Custodian with appropriate evidence that such successor has accepted the appointment and is qualified to serve as trustee or custodian of an individual retirement account.
- (1) If the Depositor designates a successor trustee or custodian and provides the Custodian evidence of the successor's acceptance of appointment and qualification within such 30-day period, the Custodian shall then deliver all of the assets held by the Custodian in the account (whether in cash or personal or real property, wherever located, and regardless of value) to the successor trustee or custodian.
- (2) If the Depositor does not notify the Custodian of the appointment of a successor trustee or custodian within such 30 day period, then the Custodian may distribute all of the assets held by the Custodian in the account (whether in cash or personal or real property, wherever located, and regardless of value) to the Depositor, outright and free of trust, and the Depositor shall be wholly responsible for the tax consequences of such distribution.

In either case, the Custodian may expend any assets in the account to pay expenses of transfer (including re-registering the assets and preparation of deeds, assignments, and other instruments of transfer or conveyance) to the successor trustee or custodian or the Depositor, as the case may be. In addition, the Custodian may retain a portion of the assets as a reserve for payment of any anticipated remaining fees and expenses. Upon satisfaction of such fees and expenses, the Custodian shall pay over any remainder of the reserve to the successor trustee or custodian or to the Depositor, as the case may be.

**9.05 Custodian's Fees and Expenses:**

- (a) The Depositor agrees to pay the Custodian any and all fees specified in the Custodian's current published fee schedule for establishing and maintaining this Roth IRA, including but not limited to any fees for distributions from, transfers from, and terminations of this Roth IRA. The Custodian may change its fee schedule at any time by giving the Depositor 30 days prior written notice.
- (b) The Depositor agrees to pay any expenses incurred by the Custodian in the performance of its duties in connection with the account. Such expenses include, but are not limited to, administrative expenses, such as legal and accounting fees, and any taxes of any kind whatsoever that may be levied or assessed with respect to such account.
- (c) All such fees, taxes, and other administrative expenses charged to the account shall be collected either from the assets in the account or from any contributions to or distributions from such account if not paid by the Depositor, but the Depositor shall be responsible for any deficiency.
- (d) In the event that for any reason the Custodian is not certain as to who is entitled to receive all or part of the Custodial Funds, the Custodian reserves the right to withhold any payment from the Custodial Account, to request a court ruling to determine the disposition of the Custodial assets, and to charge the Custodial Account for any expenses incurred in obtaining such legal determination.

**9.06 Withdrawal Requests:** All requests for withdrawal shall be in writing on the form provided by the Custodian. Such written notice must also contain the reason for the withdrawal and the method of distribution being requested. The Custodian reserves the right to reject any withdrawal request it may deem appropriate and to apply to a court of competent jurisdiction to make a determination with respect to the proper party eligible to receive a distribution from the account.

**9.07 Responsibilities:** Depositor agrees that all information and instructions given to the Custodian by the Depositor are complete and accurate and that the Custodian shall not be responsible for any incomplete or inaccurate information provided by the Depositor or Depositor's beneficiary(ies). Depositor and Depositor's beneficiaries agree to be responsible for all tax consequences arising from contributions to and distributions from this Custodial Account and acknowledges that no tax advice has been provided by the Custodian.

**9.08 Designation of Beneficiary:**

- (a) Except as may be otherwise required by State law, in the event of the Depositor's death, the balance in the account shall be paid to the beneficiary or beneficiaries designated by the Depositor on a beneficiary designation form acceptable to and filed with the Custodian. The Depositor may change the Depositor's beneficiary or beneficiaries at any time by filing a new beneficiary designation with the Custodian. If no beneficiary designation is in effect, if none of the named beneficiaries survive the Depositor, or if the Custodian cannot locate any of the named beneficiaries after reasonable search, any balance in the account will be payable to the Depositor's estate.
- (b) If the Custodian permits, in the event of the Depositor's death, any beneficiary may name a subsequent beneficiary(ies) to receive the balance of the account to which such beneficiary is entitled upon the death of the original beneficiary by filing a Subsequent Beneficiary Designation Form acceptable to and filed with the Custodian. Payments to such subsequent beneficiary(ies) shall be distributed in accordance with the payment schedule applicable to the original beneficiary. In no event can any subsequent beneficiary be treated as a designated beneficiary of the Depositor. The preceding sentence shall not apply with respect to the subsequent beneficiary(ies), if any, of an original spouse beneficiary where the Depositor dies before his or her required beginning date. In this case, the original spouse beneficiary is treated as the Depositor. If the balance of the account has not been completely distributed to the original beneficiary and such beneficiary has not named a subsequent beneficiary or no named subsequent beneficiary is living on the date of the original beneficiary's death, such balance shall be payable to the estate of the original beneficiary.

**9.09 Investment Provisions:** All contributions shall be invested and reinvested by the Custodian as directed by the Depositor (or the direction of the beneficiary upon Depositor's death) (1) in a class or classes of savings accounts with the Custodian, which the Custodian shall designate as the class or classes of savings accounts to be offered for investment of Roth IRA funds, (2) if the Custodian consents in a class or classes of savings accounts in another insured institution, or (3) other investments agreed to from time to time by the Custodian, including but not limited to US Series EE Savings Bonds.

**9.10 Spousal Beneficiary Provisions:** Notwithstanding the provisions of Article 5.03, if the Depositor's only primary beneficiary is the surviving spouse, such spouse may elect to be treated as a non-spouse beneficiary for purposes of the provisions of Articles 5.01 and 5.02, but including the special rule provided under section 401(a)(9)(B)(iv) of the Code. Thus, a surviving spouse beneficiary may remain the beneficiary of the deceased spouse's Roth IRA and be able to take death distributions under the five year rule or the exception to the five year rule, including the ability to wait to begin receiving distributions over his or her single life expectancy by December 31 of the year the deceased spouse would have attained the age of 70½ had he or she lived, if this date is later than the December 31 immediately following the year of death. In addition, if the surviving spouse is not the sole beneficiary of the Roth IRA, in addition to the provisions of Articles 5.01 and 5.02, the surviving spouse beneficiary may elect to treat his or her beneficial portion of the deceased spouse's Roth IRA as his or her own Roth IRA.

**9.11 Responsibility for Determining Eligibility for Conversion Contributions:** Notwithstanding the provisions of the third sentence of Article II, the Depositor agrees to be solely responsible for determining eligibility to convert any of the Depositor's traditional IRAs or an employer's plan to a Roth IRA. The conversion eligibility requirements are eliminated for years after December 31, 2009.

**9.12 Combining Regular Roth IRA Contributions with Roth Conversion Contributions:** The Depositor may combine regular Roth IRA contributions in the same Roth IRA account as Roth IRA conversion contributions. The Depositor agrees to designate each deposit as either a regular Roth IRA contribution (and the tax year to which it relates) or a Roth IRA conversion contribution. The Depositor further agrees that he/she will be solely responsible for any recordkeeping of such deposits as determined or required by the Internal Revenue Service, including but not limited to, the timing, ordering and taxation of any distributions.

- 9.13 **Death Benefit Default Provisions:** If the Depositor dies and the beneficiary does not select a method of distribution described in Article V, Section 5.01(a) or (b) by the December 31st following the year of the Depositor's death, then distributions will be made pursuant to the single life expectancy of the Designated Beneficiary determined in accordance with IRS regulations. However, no payment will be made until the beneficiary provides the Custodian with a proper distribution request acceptable to the Custodian and other documentation that may be required by the Custodian. A beneficiary may at any time request a complete distribution of his or her remaining interest in the Custodial Account. The Custodian reserves the right to require a minimum balance in the account in order to make periodic payments from the account.
- 9.14 **Transitional Rule for Determining Required Minimum Distributions for Calendar Year 2002:** Unless the Custodian provides otherwise, if a beneficiary is subject to required minimum distributions for calendar year 2002, such individual may elect to apply the 1987 proposed regulations, the 2001 proposed regulations, or the 2002 final regulations in determining the amount of the 2002 required minimum. However, the Custodian, in its sole discretion, reserves the right to perform any required minimum distribution calculations through its data systems or otherwise based upon any of the three sets of regulations delineated in the previous sentence.

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#### **General Instructions**

(Section references are to the Internal Revenue Code unless otherwise noted.)

**Purpose of Form** - Form 5305-RA is a model Custodial account agreement that meets the requirements of section 408A. However, only Articles I through VIII have been reviewed by the IRS. A Roth individual retirement account (Roth IRA) is established after the form is fully executed by both the individual (Depositor) and the Custodian. This account must be created in the United States for the exclusive benefit of the Depositor and his or her beneficiaries.

**Do not** file Form 5305-RA with the IRS. Instead, keep it with your records.

Unlike contributions to traditional individual retirement arrangements, contributions to a Roth IRA are not deductible from the Depositor's gross income; and distributions after 5 years that are made when the Depositor is 59½ years of age or older or on account of death, disability, or the purchase of a home by a first-time homebuyer (limited to \$10,000), are not includible in gross income. For more information on Roth IRAs, including the required disclosures the Custodian must give the Depositor, see Pub. **590-A**, Contributions to Individual Retirement Arrangements (IRAs), and **590-B**, Distributions from Individual Retirement Arrangements (IRAs).

#### **Definitions**

**Custodian.** The Custodian must be a bank or savings and loan association, as defined in section 408(n), or any person who has the approval of the IRS to act as Custodian.

**Depositor.** The Depositor is the person who establishes the Custodial account.

#### **Specific Instructions**

**Article I.** The Depositor may be subject to a 6% tax on excess contributions if **(1)** contributions to other individual retirement arrangements of the Depositor have been made for the same tax year, **(2)** the Depositor's adjusted gross income exceeds the applicable limits in Article II for the tax year, or **(3)** the Depositor's and spouse's compensation is less than the amount contributed by or on behalf of them for the tax year.

**Article V.** This article describes how distributions will be made from the Roth IRA after the Depositor's death. Elections made pursuant to this article should be reviewed periodically to ensure they correspond to the Depositor's intent. Under paragraph 3 of Article V, the Depositor's spouse is treated as the owner of the Roth IRA upon the death of the Depositor, rather than as the beneficiary. If the spouse is to be treated as the beneficiary, and not the owner, an overriding provision should be added to Article IX.

**Article IX.** Article IX and any that follow it may incorporate additional provisions that are agreed to by the Depositor and Custodian to complete the agreement. They may include, for example, definitions, investment powers, voting rights, exculpatory provisions, amendment and termination, removal of the Custodian, Custodian's fees, state law requirements, beginning date of distributions, accepting only cash, treatment of excess contributions, prohibited transactions with the Depositor, etc. Attach additional pages if necessary.

# ROTH IRA DISCLOSURE STATEMENT

## RIGHT TO REVOKE YOUR ROTH IRA ACCOUNT

You may revoke your Roth IRA within 7 days after you sign the Roth IRA Adoption Agreement by hand-delivering or mailing a written notice to the name and address indicated on the Roth IRA Adoption Agreement. If you revoke your account by mailing a written notice, such notice must be postmarked by the 7th day after you sign the Adoption Agreement. If you revoke your Roth IRA within the 7 day period you will receive a refund of the entire amount of your contributions to the Roth IRA without any adjustment for earnings or any administrative expenses. If you exercise this revocation, we are still required to report the contribution on Form 5498 (except transfers) and the revoked distribution on Form 1099-R.

## GENERAL REQUIREMENTS OF A ROTH IRA

- Your contributions must be made in cash, unless you are making a qualified rollover or transfer contribution and the Custodian accepts non-cash rollover or transfer contributions.
- The annual contributions you make on your behalf to all of your Roth IRAs and traditional IRAs may not exceed the lesser of 100% of your compensation or the "applicable annual dollar limitation" (defined below), unless you are making a qualified rollover or transfer contribution.
- Your regular annual Roth IRA contributions for any taxable year may be deposited at any time during that taxable year and up to the due date for the filing of your Federal income tax return for that taxable year, no extensions. This generally means April 15th of the following year.
- The Custodian of your Roth IRA must be a bank, savings and loan association, credit union or a person who is approved to act in such a capacity by the Secretary of the Treasury.
- No portion of your Roth IRA funds may be invested in life insurance contracts.
- Your interest in your Roth IRA is nonforfeitable at all times.
- The assets in your Roth IRA may not be commingled with other property except in a common Custodial fund or common investment fund.
- You may not invest the assets of your Roth IRA in collectibles (as described in Section 408(m) of the Internal Revenue Code.) A collectible is defined as any work of art, rug or antique, metal or gem, stamp or coin, alcoholic beverage, or any other tangible personal property specified by the IRS. However, if the Custodian permits, specially-minted US gold, silver, and platinum coins and certain state-issued coins are permissible Roth IRA investments. Beginning on 1/1/98, you may also invest in certain gold, silver, platinum or palladium bullion, if the trustee or custodian permits. Such bullion must be in the physical possession of the Roth IRA trustee or custodian.

## WHO IS ELIGIBLE TO MAKE A REGULAR ROTH IRA CONTRIBUTION?

You are permitted to make regular contributions to your Roth IRA for any taxable year if you receive compensation for such taxable year. Compensation includes salaries, wages, tips, commissions, bonuses, alimony, royalties from creative efforts and "earned income" in the case of self-employeds. Members of the Armed Forces who serve in combat zones who receive compensation that is otherwise non-taxable, are considered to have taxable compensation for purposes of making regular Roth IRA contributions. The amount which is permitted to be contributed depends upon your modified adjusted gross income (Modified AGI); your marital status; and your tax filing status discussed below.

## CONTRIBUTIONS TO A ROTH IRA

**Regular Roth IRA Contributions** - The maximum amount you may contribute for any year is the lesser of 100% of your compensation or the "applicable annual dollar limitation" (described below). Your actual contribution limit depends upon your marital status, tax filing status, and your Modified AGI.

Applicable Annual Dollar Limitation	
Tax Year	Contribution Limit
2001	\$2,000
2002 through 2004	\$3,000
2005 through 2007	\$4,000
2008 through 2012	\$5,000
2013 through 2018	\$5,500
2019 through 2022	\$6,000
2023	\$6,500

After 2018, the \$5,500 annual limit will be subject to cost-of living increases in increments of \$500, rounded to the lower increment. This means that it may take several years beyond 2018 for the \$5,500 annual limit to increase to \$6,000. All regular contributions (including catch-up contributions) to a Roth IRA are nondeductible. The maximum amount you may contribute to a Roth IRA is reduced by any contributions you make to all of your traditional IRAs for the same tax year.

**Catch-up Contributions** – If an individual has attained the age of 50 before the close of the taxable year for which an annual contribution is being made and meets the other eligibility requirements for making regular Roth IRA contributions, the annual Roth IRA contribution limit for that individual would be increased as follows:

Tax Year	Normal Limit	Additional Catch-up*	Total Contribution
2002	\$3,000	\$ 500	\$3,500
2003	\$3,000	\$ 500	\$3,500
2004	\$3,000	\$ 500	\$3,500
2005	\$4,000	\$ 500	\$4,500
2006	\$4,000	\$1,000	\$5,000
2007	\$4,000	\$1,000	\$5,000

2008 - 2012	\$5,000	\$1,000	\$6,000
2013 - 2018	\$5,500	\$1,000	\$6,500
2019 - 2022	\$6,000	\$1,000	\$7,000
2023	\$6,500	\$1,000	\$7,500

\*The additional catch-up amount for Roth IRAs is not subject to COLAs.

**Special IRA Catch-up Contributions for Certain Section 401(k) Participants No Longer Available** - Special Roth IRA catch-up contributions are permitted for each of years 2007, 2008 and 2009 equal to the applicable year's age-50 catch-up limit multiplied by 3. To be eligible for this special catch-up Roth IRA contribution, the individual must have been a participant in an employer's §401(k) plan where employer-matching contributions were being made at the rate of at least 50% of the participant's deferrals with employer stock and such employer is in bankruptcy and is subject to an indictment or conviction. The individual is not required to be age 50 in order to take advantage of this rule. However, if the individual is age 50 or over, he or she may not contribute the age-50 catch-up amount in addition to this special catch-up.

The deadline for making such special catch-up contributions was the normal deadline for the applicable year. For example, an eligible individual takes advantage of this rule for calendar year 2008. The normal regular Roth IRA contribution limit for 2008 was \$5,000 and the normal age-50 catch-up contribution limit for 2008 was \$1,000. The eligible individual could contribute the \$5,000 normal limit plus a special catch-up contribution of \$3,000 for a total of \$8,000. The deadline for making this contribution was the 2008 tax filing deadline, no extensions.

**Modified Adjusted Gross Income** - The amount of your regular annual Roth IRA contribution depends upon your Modified Adjusted Gross Income (MAGI) for the taxable year and your marital status. If your MAGI is below a certain amount, you can contribute the entire contribution subject to the dollar limit. If your MAGI is above a certain amount, you cannot make any regular contribution to a Roth IRA. If your MAGI is between certain amounts, you are entitled to making a partial Roth IRA contribution. You are responsible for keeping track of your Roth IRA contributions so that you can report Roth IRA distributions on IRS Form 8606. Refer to the chart below for the MAGI ranges. The MAGI ranges are subject to cost-of-living adjustments. Also refer to IRS Publication 590-A for additional information.

	Married Participants Filing Jointly	Unmarried Participants	Married Participants Filing Separately*
1998 – 2006	\$150,000 - \$160,000	\$ 95,000 - \$110,000	\$0 - \$10,000
2007	\$156,000 - \$166,000	\$ 99,000 - \$114,000	\$0 - \$10,000
2008	\$159,000 - \$169,000	\$101,000 - \$116,000	\$0 - \$10,000
2009	\$166,000 - \$176,000	\$105,000 - \$120,000	\$0 - \$10,000
2010	\$167,000 - \$177,000	\$105,000 - \$120,000	\$0 - \$10,000
2011	\$169,000 - \$179,000	\$107,000 - \$122,000	\$0 - \$10,000
2012	\$173,000 - \$183,000	\$110,000 - \$125,000	\$0 - \$10,000
2013	\$178,000 - \$188,000	\$112,000 - \$127,000	\$0 - \$10,000
2014	\$181,000 - \$191,000	\$114,000 - \$129,000	\$0 - \$10,000
2015	\$183,000 - \$193,000	\$116,000 - \$131,000	\$0 - \$10,000
2016	\$184,000 - \$194,000	\$117,000 - \$132,000	\$0 - \$10,000
2017	\$186,000 - \$196,000	\$118,000 - \$133,000	\$0 - \$10,000
2018	\$189,000 - \$199,000	\$120,000 - \$135,000	\$0 - \$10,000
2019	\$193,000 - \$203,000	\$122,000 - \$137,000	\$0 - \$10,000
2020	\$196,000 - \$206,000	\$124,000 - \$139,000	\$0 - \$10,000
2021	\$198,000 - \$208,000	\$125,000 - \$140,000	\$0 - \$10,000
2022	\$204,000 - \$214,000	\$129,000 - \$144,000	\$0 - \$10,000
2023	\$218,000 - \$228,000	\$138,000 - \$153,000	\$0 - \$10,000

**Spousal Roth IRAs-** If you and your spouse file a joint tax return and have unequal compensation (including no compensation for one spouse or one spouse who chooses to be treated as receiving no compensation) you may establish separate Roth IRAs for each spouse. The total annual contribution limit for both Roth IRAs may not exceed 100% of the combined compensation for both spouses, but neither Roth IRA may accept more than the Applicable Annual Dollar Limitation per spouse, plus the additional catch-up amount, if applicable.

The maximum Roth IRA contribution for the spouse is then reduced by:

1. regular traditional IRA contributions made on behalf of such spouse; and
2. Roth IRA contributions made on behalf of such spouse.

This annual limit may be further reduced if the Modified AGI exceeds the levels discussed above.

**\$200 Minimum Roth IRA Contribution** - If you fall into any of the categories listed above, your minimum allowable Roth IRA contribution will be \$200 until phased out under the appropriate marital status. In other words, if your Roth IRA contribution amount calculated under the appropriate dollar amounts discussed above results in a contribution between \$0 and \$200, your permitted contribution is \$200 instead of the calculated amount. If the result is not a multiple of \$10, round up to the nearest \$10.

**Modified AGI** - Modified AGI does not include any conversions to a Roth IRA and included in income. Modified AGI is determined before deductible traditional IRA contributions. Effective for distributions after December 31, 2004, Modified AGI does not include any amounts that are required minimum distributions pursuant to section 408(a)(6) only for purposes of determining eligibility for conversion contributions.

**Miscellaneous Contribution Rules** - Contributions are permitted after you attain age 70½, so long as you have compensation and meet the AGI limits described above. Contributions are permitted regardless of whether you are an active participant in an employer-sponsored plan.

**Special Rules for Qualified Reservist Distributions** – Qualified Reservist Distributions withdrawn from a Roth IRA are eligible to be repaid to a Roth IRA

within a 2-year period after the end of active duty. A Qualified Reservist Distribution is a distribution received from a Roth IRA by members of the National Guard or reservists who are called to active duty for a period of at least 180 days and such distribution is taken during the period of such active duty. This provision is retroactively effective with respect to distributions after September 11, 2001, for individuals called to active duty after September 11, 2001. The repayments are not treated as tax-free rollovers. Instead, the repayments become basis in the Roth IRA.

## EXCESS CONTRIBUTIONS TO A ROTH IRA

Generally, an excess Roth IRA contribution is any contribution which exceeds the contribution limits. Such excess amount is subject to a 6% excise tax on the principal remaining amount of the excess each year until the excess is corrected.

**Method of Withdrawing Excess in a Timely Manner (Applies to Excesses Removed Prior to 2018)** - This 6% excise tax may be avoided, if the excess amount plus the earnings attributable to the excess are distributed to you by your tax filing deadline including extensions *for the year during which the excess contribution was made*. If you decide to correct your excess in this manner, the principal amount of the excess returned to you is not taxable; however, the earnings attributable to the excess are taxable to you in the year in which the contribution was made. In addition, if you are under age 59½, the earnings attributable to the excess amount are subject to a 10% additional income tax. This is the only method of correcting an excess contribution that will avoid the 6% excise tax. The earnings attributable to an excess contribution will always be taxable, even if you would otherwise meet the definition of a "qualified distribution" discussed later.

**Method of Withdrawing Excess in a Timely Manner (Applies to Excesses Removed After 2017)** - This 6% excise tax may be avoided, if the excess amount plus the earnings attributable to the excess are distributed to you by your tax filing deadline including extensions *for the year for which the excess contribution was made*. If you decide to correct your excess in this manner, the principal amount of the excess returned to you is not taxable; however, the earnings attributable to the excess are taxable to you in the year in which the contribution was made. In addition, if you are under age 59 1/2, the earnings attributable to the excess amount are subject to a 10% additional income tax. This is the only method of correcting an excess contribution that will avoid the 6% excise tax. The earnings attributable to an excess contribution will always be taxable, even if you would otherwise meet the definition of a "qualified distribution" discussed later.

**Undercontribution Method** - If an excess is not corrected by the tax filing deadline, including extensions, for the year during which the excess contribution was made, such excess contribution may be applied, on a year-by-year basis, against the annual limit for regular Roth IRA contributions. However, in order to "carry over" the excess contribution and treat it as a contribution made for a subsequent year, the participant must meet the eligibility requirements for the subsequent year. In addition, the taxpayer is subject to the 6% excise tax for the initial year and each subsequent year until the excess is used up.

## CONTRIBUTION RECHARACTERIZATIONS

You may be able to recharacterize certain contributions under the following two different circumstances:

1. By recharacterizing a current year regular contribution plus earnings explained in this section; or
2. By recharacterizing a conversion made to a Roth IRA by transferring the amount plus earnings back to a traditional IRA discussed in the next section under the heading "Conversion from a Traditional IRA or an Employer Plan to a Roth IRA". Beginning 1/1/2018, recharacterizations of conversions made after 12/31/2017 are no longer permitted.

If you decide by your tax filing deadline (including extensions) of the year for which the contribution was made to transfer a current year contribution plus earnings from your traditional IRA to a Roth IRA, no amount will be included in your gross income as long as you did not take a deduction for the amount of the contribution. You may also recharacterize a current year contribution plus earnings from your Roth IRA to a traditional IRA by your tax filing deadline including extensions of the year for which the contribution was made.

In order to recharacterize a regular contribution from one type of IRA to another type of IRA, you must be eligible to make a regular contribution to the IRA to which the contribution plus earnings is recharacterized. All recharacterizations must be accomplished as a direct transfer, rather than a distribution and subsequent rollover.

You are also required to report recharacterizations to the IRS in accordance with the instructions to IRS Form 8606. Prior year excess contributions made to an IRA that are carried over to a subsequent year cannot be recharacterized as a current year contribution to another IRA. Only actual contributions made for a taxable year may be recharacterized. Any recharacterized contribution (whether a regular contribution or a pre-2018 conversion) cannot be revoked after the transfer. You are required to notify both custodians (and trustees) and to provide them with certain information in order to properly effectuate such a recharacterization.

## ROLLOVER ROTH IRAS

**Rollover Contribution from Another Roth IRA** - A rollover contribution from another Roth IRA is any amount you receive from one Roth IRA and within 60 days roll some or all of it over into another Roth IRA. You are not required to roll over the entire amount received from the first Roth IRA. However, any taxable amount (generally earnings) you do not roll over will be taxed at ordinary income tax rates for Federal income tax purposes and may be subject to the 10% additional income tax.

The following special rules also apply to rollovers between Roth IRAs:

- The rollover must be completed no later than the 60th day after the day the distribution was received by you from the first Roth IRA. However, if the reason for distribution was for qualified first time home buyer expenses and there has been a delay or cancellation in the acquisition of such first home, the 60 day rollover period is increased to 120 days. This 60 day rollover period is also extended in cases of disaster or casualty beyond the reasonable control of the taxpayer.
- Beginning in 2015, you can make only one rollover from an IRA to another (or the same) IRA in any 12-month period, regardless of the number of IRAs you own. The limit will apply by aggregating all of an individual's IRAs, including SEP and SIMPLE IRAs as well as traditional and Roth IRAs, effectively treating them as one IRA for purposes of the limit. (See IRS Publication 590-A for more information).
- The same property you receive in a distribution from the first Roth IRA must be the same property you roll over into the second Roth IRA. For example, if you receive a distribution from a Roth IRA of property, such as stocks, that same stock must be the property rolled over into the second Roth IRA.

- You are required to make an irrevocable election indicating that this transaction will be treated as a rollover contribution.
- You are not required to receive a complete distribution from your Roth IRA in order to make a rollover contribution into another Roth IRA, nor are you required to roll over the entire amount you received from the first Roth IRA into the second Roth IRA.
- If you inherit a Roth IRA due to the death of the participant, you may not roll this Roth IRA into your own Roth IRA unless you are the spouse of the deceased Roth IRA participant.

**Rollovers From a Designated Roth Contribution Account Under Employer-Sponsored Plans** – Effective for Eligible Rollover Distributions after December 31, 2005, amounts attributable to the participant's Designated Roth Contribution Account under an employer's §401(k) plan, §403(b) plan, or governmental 457(b) plan are eligible to roll over to a Roth IRA as either a direct rollover or a 60-day rollover. After such amounts have been rolled over to a Roth IRA, these amounts cannot be subsequently rolled back to an employer's plan.

**Effect of 5-Year Aging** – If the Roth IRA owner has already started the 5-year aging on any Roth IRA, the rollover of the Designated Roth Contribution Account under the employer's plan has the same 5-year period start date. However, if the Roth IRA owner establishes a Roth IRA for the first time with the rollover of the Designated Roth Contributions Account under the employer's plan, a new 5-year aging period starts with respect to the rollover amount, regardless of the period of participation in the employer's plan.

**Effect on Ordering Rules for Subsequent Distributions from the Roth IRA** – If a Roth IRA owner rolls over his or her Designated Roth Contributions Account under an employer's plan, the Roth IRA owner is responsible for keeping track of the rollover in the following manner for purposes of determining taxable distributions from the Roth IRA:

- If the distribution from the employer's plan is a "nonqualified distribution", the Roth IRA owner adds the basis amount (contributions) to his or her other regular Roth IRA contributions, and adds the earnings to the earnings.
- If the distribution from the employer's plan is a "qualified distribution", the Roth IRA owner adds the entire amount of the rollover to his or her other regular Roth IRA contributions.

**Partial Rollovers** - If a distribution representing the participant's Designated Roth Contribution Account is eligible to roll over and it is paid to the participant, and the participant rolls over to a Roth IRA only a portion of the distribution, the amount not rolled over is treated as first consisting of the nontaxable portion (the contributions). Thus, the amount rolled over is treated first as the taxable earnings and no amount is taxable to the participant if the amount of the rollover is equal to or greater than the amount of the earnings attributable to the distribution received by the employee. Proper adjustments to the ordering rules explained above are necessary in the case of a partial rollover.

**Special Rollover Rules for Qualified Hurricane Distributions, Qualified Wildfire Distributions and Certain Other Presidentially Declared Disaster Areas** – Qualified Disaster Distributions (QDDs) include Qualified Hurricane Distributions, Qualified Wildfire Distributions and other disaster areas as declared by the President. Qualified Disaster Distributions withdrawn from a Roth IRA are eligible to be rolled over to a Roth IRA within a 3-year period after the eligible individual received such distribution. More information on Qualified Hurricane Distributions and other tax relief provisions applicable to affected individuals of Hurricanes Harvey, Irma and Maria as well as other disaster relief can be found on the IRS website at <https://www.irs.gov/newsroom/around-the-nation>. Taxpayers using these tax relief provisions must file Form 8915 with his or her Federal income tax return. The maximum amount of a QDD is \$100,000 per taxpayer; is not subject to the premature distribution penalty of 10%, and will be taxed pro rata over a 3 year period unless the taxpayer elects to pay all of the taxes in the year of the distribution. See the instructions to Form 8915 for more information.

**Special Rules for Qualified Settlement Income Received from Exxon Valdez Litigation** - Any qualified taxpayer who receives qualified settlement income during the taxable year, at any time before the end of the taxable year in which such income was received, make one or more contributions to an eligible retirement plan of which such qualified taxpayer is a beneficiary in an aggregate amount not to exceed the lesser of: (a) \$100,000 (reduced by the amount of qualified settlement income contributed to an eligible retirement plan in prior taxable years); or (b) the amount of qualified settlement income received by the individual during the taxable year.

The contribution will be deemed made on the last day of the taxable year in which such income is received if the contribution is made on account of such taxable year and is made not later than the deadline for filing the income tax return for such year, not including extensions thereof.

If the settlement income is contributed to a Roth IRA such income is currently includible in the taxpayer's gross income and becomes basis in such Roth IRA.

A qualified taxpayer means:

1. Any individual who is a plaintiff in the civil action In re Exxon Valdez, No. 89-095-CV (HRH) (Consolidated) (D. Alaska); or
2. Any individual who is a beneficiary of the estate of such a plaintiff who acquired the right to receive qualified settlement income from that plaintiff and was the spouse or an immediate relative of that plaintiff.

**Special Rollover Rules for Military Death Gratuity and SGLI Payments** – In general the beneficiary of Death Gratuity and the SGLI (Servicemember's Group Life Insurance) may roll these payments into a Roth IRA in the name of the recipient of such payments, without regard to any adjusted gross income limitations. Such Roth IRA will not be an inherited IRA but rather the Roth IRA will be in the beneficiary's own name. Such rule is effective with deaths occurring after June 17, 2008. However, if the payment was made due to a death that occurred after October 7, 2001, and before June 17, 2008, a recipient can still roll such amounts over to a Roth IRA as long as the rollover is completed by June 17, 2009.

The rollover to the Roth IRA must generally be completed within one year following the receipt of the payment. These payments are not taxable to the recipient. The trustee, custodian or issuer of the Roth IRA is not required to independently verify that such amounts are eligible to roll over to the Roth IRA. It is also important to note that recipients these amounts may be a spouse or other family member, and the rollover would go into the Roth IRA as the recipient's own Roth IRA, not an inherited Roth IRA. Whether or not distributions from the Roth IRA are "qualified distributions" where the earnings would be tax-free would depend upon the 5-year aging period and reason for distribution applicable to any Roth IRA distribution that is a "qualified distribution".

For purposes of the ordering rules applicable to nonqualified distributions from Roth IRAs, these amounts are treated as contributions to the Roth IRA, not as conversions. This means that these amounts may be immediately withdrawn for any purpose and not be taxed or subject to penalty.

**Rollover of Amounts Received in Airline Carrier Bankruptcy** – Effective December 11, 2008, a "qualified airline employee" may contribute any portion of an "airline payment" amount to a Roth IRA within 180 days of receipt of such payment (or, if later, within 180 days of the enactment of the Worker, Retiree and Employer Recovery Act of 2008). Such contribution is treated as a qualified rollover contribution to the Roth IRA, and as such, the airline payment is includible in gross income of the recipient to the extent it would be so includible were it not part of the rollover contribution.

An "airline payment" means any payment by a commercial airline carrier to a "qualified airline employee" that is paid: (1) under an order of a Federal bankruptcy court in a case filed after September 11, 2001, and before January 1, 2007; and (2) in respect of the employee's interest in a bankruptcy claim against the airline carrier.

In determining the amount that may be contributed to a Roth IRA, any reduction in the airline payment on account of employment tax withholding is disregarded. A "qualified airline employee" is an employee or former employee of a commercial passenger airline who was a participant in a qualified defined benefit plan maintained by the airline carrier that was terminated or became subject to the benefit accrual and other restrictions applicable to plans maintained by commercial passenger airlines.

Effective February 14, 2012, under the FAA Modernization and Reform Act of 2012 ("The Act") certain qualified airline employees may rollover or recharacterize to a Traditional IRA in lieu of a Roth IRA. The Act permits 'qualified airline employees' and their surviving spouses, who received an 'airline payment amount', and did *not* roll over any portion of such payment to a Roth IRA:

- To rollover now to a Traditional IRA 90% of the payment received, and the amount rolled over is excludible from income in the taxable year payment was made;
- The rollover must take place within 180 days after the receipt of the 'airline payment amount' or within 180 days of February 14, 2012, the date of enactment i.e. August 13, 2012, whichever is later.

Additionally, the Act permits 'qualified airline employees' and their surviving spouses who contributed all or a portion of an 'airline payment amount' previously to a Roth IRA:

- To recharacterize up to 90% of such amounts, to a traditional IRA;
- The recharacterization transfer must be made within 180 days of February 14, 2012, the date of enactment i.e. August 13, 2012;
- The IRA owner can then claim a refund of the Federal taxes they previously paid on such transferred funds if made under certain time frames;
- The amount rolled over will be excluded from income in the taxable year payment was made;
- The transfer must be 'trustee to trustee';
- The contribution amount (including any net income allocable to it), rolled into the traditional IRA, will be deemed to have been rolled over at the time of the rollover to the ROTH.

The Act does *not* apply to employees who in the taxable year or any preceding years, when payment were made, were chief executive officers ("CEO") or one of the 4 highest compensated officers (other than the CEO), whose total compensation had to be reported to shareholders (as required by Securities and Exchange Commission Act of 1934). The PATH Act of 2015 extended this rollover deadline to 180 days after enactment or until June 15, 2016.

**Special Rules for Nonspouse Beneficiaries** – For distributions prior to 2007, any distribution from a Designated Roth Contribution Account to a beneficiary other than a surviving spouse was not eligible to be rolled over to a Roth IRA. Beginning in 2007, eligible rollover distributions from a Designated Roth Contribution Account payable to a nonspouse beneficiary are eligible for direct rollover into an Inherited Roth IRA. Such amounts must be paid in the form of a direct rollover, rather than a distribution and subsequent rollover. Thus, if the distribution is paid directly by the plan to the nonspouse beneficiary, no rollover is permitted. Also, the Roth IRA receiving the direct rollover must be an Inherited Roth IRA, rather a Roth IRA owned by the nonspouse beneficiary. The Inherited Roth IRA is subject to the same required minimum distributions that apply to beneficiaries under the employer's plan and carries over to the Inherited Roth IRA. The Roth IRA must be established and titled in a manner that identifies it as a Roth IRA with respect to a deceased individual and also identifies the deceased individual and the beneficiary, for example, "Tom Smith as beneficiary of John Smith".

For these purposes, a nonspouse beneficiary includes an individual beneficiary and a trust beneficiary that meets the special "look through" rules under the IRS regulations. A nonindividual beneficiary (such as an estate or charity) or a non-look through trust is not eligible for direct rollover. Any required minimum distributions applicable to the employer's plan for the year in which the direct rollover occurs and any prior year is not eligible for direct rollover.

**Conversion from a Traditional IRA or an Employer Plan to a Roth IRA** – Prior to 2010, you are permitted to make a qualified rollover contribution from a traditional IRA or an employer plan to a Roth IRA if your Modified AGI (not including the taxable amount converted) for the year during which the distribution is made does not exceed \$100,000 and you are not a married person filing a separate tax return. This is called a "conversion" and may be done at any time without waiting the usual 12 months. After 2009, the conversion eligibility requirements are eliminated. For conversions that occurred no later than 12/31/2017, you are also permitted to recharacterize a conversion made to a Roth IRA if the amount plus earnings is transferred back to a traditional IRA before your tax filing deadline including extensions for the year the amount was distributed from the traditional IRA that was converted to the Roth IRA. Recharacterizations were repealed beginning with conversions that occur in 2018 and subsequent years.

**Taxation in Completing a Conversion from a Traditional IRA or an Employer Plan to a Roth IRA** - If you complete a conversion from a traditional IRA or an employer plan to a Roth IRA, the conversion amount (to the extent taxable) is generally included in your gross income for the year during which the distribution is made that is converted to a Roth IRA. However, the 10% additional income tax for premature distributions does not apply. For taxable conversions made during 1998, you may include the taxable amount of the traditional IRA distribution in income "ratably" over a four-tax-year period beginning in 1998, or include the entire taxable amount of the traditional IRA distribution in income the year of the conversion. Any taxable conversions from a traditional IRA to a Roth IRA after 1998 will be fully includible in income the year in which you receive the distribution that is converted to a Roth IRA. If a taxpayer converts an eligible plan to a Roth IRA in 2010, the entire taxable amount of the conversion can be either: (a) included in gross income for the year of the conversion or (b) included in gross income by including only ½ of the taxable amount the year following the conversion and the remaining ½ of the taxable amount the next year.

**Reconversions** - Once an amount has been properly converted and then is recharacterized back to a traditional IRA, any subsequent conversion of that amount is called a "reconversion". Effective January 1, 2000 through 2017, an IRA owner who converts an amount from a traditional IRA to a Roth IRA during any taxable year and then recharacterizes that amount back to a traditional IRA may not reconvert that amount from the traditional IRA to a Roth IRA before the later of: (a) the taxable year following the taxable year in which the amount was first converted to a Roth IRA; or, (b) the end of the 30-day period beginning on the day on which the IRA owner recharacterizes the amount from the Roth IRA back to a traditional IRA. Any amount previously converted is adjusted for subsequent net income in determining the amount subject to the limitation on subsequent reconversions. Since adverse tax consequences could arise, it is recommended that you seek the advice of your own tax advisor. Beginning in 2018, since recharacterizations of conversions no longer apply, reconversions will also no longer apply.

**Death of Taxpayer** - With respect to 1998 conversions to which the 4-year income spread applied, if the taxpayer dies before including the taxable amounts in income over a 4-year period, all remaining taxable amounts will be included in gross income on the return filed on behalf of the decedent for the taxable year of death. However, if the surviving spouse of such deceased Roth IRA participant is the sole beneficiary of all of the decedent's Roth IRAs, the surviving spouse may elect to continue including the remaining amount in income over the 4-year period as if the surviving spouse were the Roth IRA owner. Conversions in 2010 that are subject to the 2-year income spread are treated in this same manner.

**Income Acceleration** - If a distribution is deemed from a 1998 conversion amount and the taxpayer is spreading the distribution over four years, a special rule applied. If such distribution occurred before all taxable conversion amounts have been included in income, such distribution is accelerated in gross income for that year in addition to that year's one-fourth amount until the original taxable conversion amount has been includible in gross income. These same rules applied to 2010 conversions subject to the 2-year income spread.

**Change in Status** - A change in filing status or a divorce does not affect the application of the 4-year spread for 1998 conversions. Thus, if a married Roth IRA participant who is using the 4-year spread and who was married in 1998 subsequently files separately or divorces before the full taxable conversion has been included in gross income, the remainder of the taxable conversion must be included in the owner's gross income over the remaining years in the 4-year period, unless accelerated due to a distribution or death. These same rules apply to 2010 conversions subject to the 2-year income spread.

**Substantially Equal Payments** - If a taxpayer converts a traditional IRA to a Roth IRA where the traditional IRA was subject to the substantially equal periodic payment exception, the same periodic payments must continue from the Roth IRA. However, for 1998 conversions where the taxpayer is using the 4-year spread rule, the payments from the Roth IRA will be subject to the income acceleration rule. Thus, in addition to the normal 1/4th amount, the substantially equal amount is also includible in the participant's gross income for each year until the full taxable conversion has been so included. This rule also applies to 2010 conversions subject to the 2-year income spread.

**Types of Plans Permitted to be Converted** - Traditional regular IRAs, Rollover "conduit" IRAs, and SEP IRAs may be converted to a Roth IRA, so long as the taxpayer meets the eligibility requirements until 2010 when the conversion eligibility rules were eliminated. A SIMPLE IRA may also be converted to a Roth IRA, but only after such SIMPLE IRA is no longer subject to the 2-year holding period applicable to SIMPLE IRAs. Also, qualified plans, §403(b) plans and governmental §457(b) plans may be converted to a Roth IRA.

**Required Minimum Distributions** - Any required minimum amount must first be distributed before any of the remaining amount can be converted to the Roth IRA.

## DISTRIBUTIONS FROM A ROTH IRA

**Taxation of Distributions** - "Qualified distributions" are neither subject to Federal income tax nor the 10% additional income tax for premature distributions. Nonqualified distributions are taxable to the extent such distribution is attributable to the income earned in the account. When you start withdrawing from your Roth IRA, you may take the distributions in regular payments, random withdrawals or in a single sum payment.

**Qualified Distributions** - A Qualified Distribution is one that is both made:

1. on or after you attain age 59½;
2. to a beneficiary after your death;
3. on account of you becoming disabled (defined under Section 72(m)(7) IRC); or
4. for qualified first time homebuyer expenses.

**AND** made after the end of the five year period beginning with the taxable year for which you first make any contribution to a Roth IRA.

If your first contribution is a conversion from a traditional IRA to a Roth IRA, the five year period begins with the year in which the conversion was made from the first IRA. If your first contribution is a regular contribution, the five year period begins with the year for which the contribution was made. You may maintain only one Roth IRA plan which accepts regular contributions and conversions. Additional contributions or conversions in subsequent years will not start the running of another five year period for purposes of determining whether or not you have received a "Qualified Distribution". If the entire Roth IRA account balance is distributed before any other Roth IRA contributions are made, the 5-year aging period does not start over when future contributions are made.

However, if any of the following situations occur, the 5-year aging period has not yet started:

1. the initial Roth IRA contribution is revoked within its first 7-day period;
2. the initial Roth IRA contribution is recharacterized to a traditional IRA; or
3. an excess contribution, plus earnings, is timely distributed in accordance with section 408(d)(4), by the tax filing deadline including extensions, unless other eligible contributions were made.

**Nonqualified Distributions** - Distributions from a Roth IRA which are made as a nonqualified distribution are treated as made from contributions to the Roth IRA to the extent that such distribution, when added to all previous distributions from the Roth IRA (whether or not they were qualified distributions), and reduced by the taxable amount of such previous distributions, does not exceed the aggregate amount of contributions to the Roth IRA.

In other words, nonqualified distributions are treated as taken from the nontaxable portion first (the contributions) until the aggregate distributions exceed the aggregate contributions. When the aggregate distributions exceed the aggregate contributions, then the earnings will be treated as part of the distribution for taxation purposes. The portion of the nonqualified distribution that represents earnings will be taxable and subject to the 10% additional income tax for premature distributions, unless an exception applies. You are responsible for keeping records on the contributions you make to your Roth IRA and for figuring any taxable, nonqualified distributions from your Roth IRA.

**Distributions Made Before the End of the Five Year Period** - Distributions taken before the end of the five year period are taxable (to the extent you receive the earnings attributable) and are subject to the 10% additional income tax if the participant is not age 59½. However, the 10% additional income tax is avoided if the distribution meets any one of the exceptions under Section 72(t).

**Recapture of the 10% Additional Tax** - The 10% additional tax on early distributions will apply to conversions if the taxpayer is deemed to withdraw any portion of the taxable conversion amount before the end of the five year period commencing the year of conversion contribution, unless an exception under Section 72(t) applies. This is true even if none of the distribution is otherwise taxable.

**Basis Recovery Rules for Distributions from Different IRA Plans** - The taxation of distributions from a Roth IRA shall be treated separately from the taxation of a distribution from other IRA plans. In other words, nondeductible contributions made to your traditional IRA will continue to be recovered tax-free on a ratable basis.

**Ordering Rules - Distributions** from any of your Roth IRAs are to be "deemed" withdrawn in the following order: first from Roth IRA contributions (other than conversions); second from converted amounts on a first-in, first-out basis (with the taxable conversion amount first and then the nontaxable conversion amount); and last from the earnings. In determining these ordering rules, any amount distributed from an individual's Roth IRA is determined as of the end of a taxable year and exhausting each category before moving to the next category. The taxpayer will be required to keep track of these ordering provisions by using IRS Form 8606.

**Multiple Beneficiaries** - At the Roth IRA owner's death and where multiple beneficiaries are named, each type of contribution must be allocated to each beneficiary on a pro-rata basis. Thus, for example, if a Roth IRA owner dies when the Roth IRA contains a regular contribution of \$2,000, a conversion contribution of \$6,000 and earnings of \$1,000, and the owner leaves his Roth IRA equally to four children, each child will receive one quarter of each type of contribution. Pursuant to the ordering rules, an immediate distribution of \$2,000 to one of the children will be deemed to consist of \$500 of regular contributions, and \$1,500 of conversion contributions.

For purposes of the ordering rules upon distribution, a beneficiary's inherited Roth IRAs may not be aggregated with any other Roth IRAs maintained by such beneficiary, except for other Roth IRAs that the beneficiary inherited from the same decedent. However, if the surviving spouse is the sole beneficiary of a Roth IRA and such surviving spouse elects to treat the Roth IRA as his or her own Roth IRA, the spouse can aggregate contributions with his or her other Roth IRAs for purposes of determining the ordering rules when distributions are taken. The term "spouse as sole beneficiary" means either the only primary beneficiary of the entire plan, or the only primary beneficiary of a segregated portion of the plan.

**Premature Distributions** - If you are under age 59½ and receive a "nonqualified" distribution from your Roth IRA, a 10% additional income tax will apply to the taxable portion (generally the earnings portion) of the distribution unless the distribution is received due to death; disability; a qualifying rollover distribution; the timely withdrawal of the principal amount of an excess; substantially equal periodic payments; certain medical expenses; health insurance premiums paid by certain unemployed individuals; qualified higher education expenses; qualified first time homebuyer expenses; due to an IRS levy; qualified disaster distributions (QDDs); qualified disaster recovery assistance distributions; or qualified reservist distributions.

**Required Distributions** - Unlike a traditional IRA, you are not required to begin distributions when you attain age 70½. Also, the incidental death benefit requirements (referred to as MDIB) do not apply to the Roth IRA.

**Death Distributions** - If you die and you have a designated beneficiary, the balance in your Roth IRA will be distributed to your beneficiary over the beneficiary's single life expectancy. These distributions must commence no later than December 31<sup>st</sup> of the calendar year following the calendar year of your death. However, if your spouse is your sole beneficiary, these distributions are not required to commence until the December 31<sup>st</sup> of the calendar year you would have attained the age of 70½, if that date is later than the required commencement date in the previous sentence. If you die and you do not have a designated beneficiary, the balance in your Roth IRA must be distributed no later than the December 31<sup>st</sup> of the calendar year that contains the fifth anniversary of your death.

#### PROHIBITED TRANSACTIONS WITH A ROTH IRA

If you or your beneficiary engage in a prohibited transaction (as defined under Section 4975 of the Internal Revenue Code) with your Roth IRA, it will lose its tax exemption and you must include the taxable portion of your account in your gross income for that taxable year and may also be subject to the 10% additional tax. If you pledge any portion of your Roth IRA as collateral for a loan, the amount so pledged will be treated as a distribution and the taxable portion will be included in your gross income for that year and may also be subject to the 10% additional tax.

#### ADDITIONAL TAXES AND PENALTIES

If you are under age 59½ and receive a nonqualified premature distribution from your Roth IRA, an additional 10% income tax will apply on the taxable amount of the distribution (generally the earnings portion only), unless an exception under Section 72(t) applies. A 10% additional tax will be assessed if you are under age 59½ if you are deemed to withdraw any portion of a conversion that you made to your Roth IRA before five years have lapsed from the conversion year, even if such distribution is otherwise nontaxable. If you make an excess contribution to your Roth IRA and it is not corrected on a timely basis, an excise tax of 6% is imposed on the excess amount. This tax will apply each year to any part or all of the excess which remains in your account.

If you should die, and the appropriate required death distributions are not made from your Roth IRA, an excise tax of 50% is assessed to your beneficiary based upon the difference between the amount that should have been distributed and the amount that was actually distributed. You may be required to file IRS Form 5329 with the Internal Revenue Service for any year an additional tax is due.

#### INCOME TAX WITHHOLDING

All withdrawals from your Roth IRA (except the earnings attributable to a return of excess contributions) are not subject to Federal income tax withholding.

#### TRANSFERS

A direct transfer of all or a portion of your funds is permitted from this Roth IRA to another Roth IRA or visa versa. Transfers do not constitute a distribution since you are never in receipt of the funds. The monies are transferred directly to the new trustee or custodian. Transfers are neither subject to the 12-month restriction nor the 60 day rollover period usually associated with rollovers.

If you should transfer all or a portion of your Roth IRA to your former spouse's Roth IRA under a divorce decree (or under a written instrument incident to divorce) or separation instrument, you will not be deemed to have made a taxable distribution, but merely a transfer. The portion so transferred will be treated at the time of the transfer as the Roth IRA of your spouse or former spouse.

If your spouse is the beneficiary of your Roth IRA, in the event of your death, your spouse may "assume" your Roth IRA. The assumed Roth IRA is then treated as your surviving spouse's Roth IRA.

**Qualified Charitable Distributions** - If a Roth IRA owner is exactly age 70½ or over, the Roth IRA owner may direct the Roth IRA trustee or custodian to transfer up to \$100,000 per year from the Roth IRA to a qualified charity. Such transfer will not be subject to Federal income taxes. Qualified Charitable Distributions may also be made by a beneficiary who is exactly age 70½ or over. Qualified Charitable Distributions are not subject to Federal income tax

withholding. On-going SEP IRAs or SIMPLE IRAs are not permitted to be transferred under this rule.

The amount transferred will be treated as coming from the taxable portion of the Roth IRA and will be an exception to the ordering rules applicable to distributions from Roth IRAs. The tax-free transfer to a qualified charity applies only if the Roth IRA owner could otherwise receive a charitable deduction with respect to the transferred amount. In other words, it must be made to a qualified charitable organization that the taxpayer would have otherwise been able to take a tax deduction for making the charitable contribution. However, since such transfer will be tax-free, the taxpayer may not also take a charitable deduction on his or her tax return.

This provision is effective with respect to distributions transferred directly to a qualified charity beginning in 2006 through the end of 2009. The Tax Relief, Unemployment Compensation Reauthorization, and Job Creation Act of 2010 extended Qualified Charitable Distributions for 2010 and 2011 under the same rules that originally applied. Eligible taxpayers who make a Qualified Charitable Distribution during January 2011 may elect to treat such Qualified Charitable Distribution as made on December 31, 2010. On January 2, 2013, the President signed the American Taxpayer Relief Act of 2012 ("ATRA") which extended QCDs through the end of 2013, and on December 16, 2014, the President signed the Tax Increase Prevention Act of 2014 to extend QCDs through the end of 2014 only. On December 18, 2015, the Protecting Americans from Tax Hikes Act of 2015 ("PATH") was signed into law and extended QCDs permanently retroactively for the 2015 year.

Although the Roth IRA trustee or custodian must pay the Qualified Charitable Distribution directly to the qualified charity, the taxpayer is responsible for substantiating and reporting the Qualified Charitable Distribution on his or her Federal income tax return. The trustee or custodian of the Roth IRA will report the amount transferred on IRS Form 1099-R as if the Roth IRA owner withdrew the money. After the Roth IRA trustee or custodian issues the payment in the name of the charity, the trustee or custodian may deliver the payment to the Roth IRA owner, who then would deliver the payment to the charity.

**Qualified HSA Funding Distribution** - Beginning for contributions made for 2007 and thereafter, a special one-time, tax-free transfer from a Roth IRA to an HSA is permitted. This one-time transfer counts toward the eligible individual's HSA contribution limit for the year of the transfer.

Prior to 2007, if a Roth IRA owner wanted to use the money in a Roth IRA to make an annual HSA contribution, any nonqualified distribution from the Roth IRA was taxable (to the extent attributable to the earnings) and subject to the 10% additional tax if the individual was under the age of 59½. Prior law did not provide for a tax-free transfer from a Roth IRA to an HSA.

Beginning for annual HSA contributions made for 2007 or thereafter, an HSA-eligible individual may make an irrevocable once-in-a-lifetime, tax-free "qualified HSA Funding distribution" from a Roth IRA to an HSA, subject however to strict requirements. The amount of the HSA funding distribution must be made in the form of a Custodian-to-Custodian transfer from the IRA to the HSA. The amount of the transfer cannot exceed the maximum HSA contribution limit for the year that the amount is transferred. Consequently, this one-time transfer from a Roth IRA to an HSA counts toward the individual's total HSA contribution limit for the year depending upon the type of coverage under the HDHP (self-only or family).

**FEDERAL ESTATE AND GIFT TAXES**

Generally, there is no specific exclusion for Roth IRAs under the Federal estate tax rules. Therefore, in the event of your death, the value of your Roth IRA will be includible in your gross estate for Federal estate tax purposes. However, if your surviving spouse is the beneficiary of your Roth IRA, the value of your Roth IRA may qualify for the marital deduction available under Section 2056 of the Internal Revenue Code. A transfer of property for Federal gift tax purposes does not include an amount which a beneficiary receives from a Roth IRA plan.

**IRS APPROVAL AS TO FORM**

This Roth IRA Custodial Agreement has been approved by the Internal Revenue Service as to form. This is not an endorsement of the plan in operation or of the investments offered.

**ADDITIONAL INFORMATION**

You may obtain further information on Roth IRAs and traditional IRAs from your District Office of the Internal Revenue Service. In particular, you may wish to obtain IRS Publication 590-A, Contributions to Individual Retirement Arrangements (IRAs), and 590-B, Distributions from Individual Retirement Arrangements (IRAs).

## ROTH IRA FINANCIAL DISCLOSURE

**In General:** IRS regulations require the Custodian to provide you with a financial projected growth of your Roth IRA account based upon certain assumptions. The dollar amounts shown in Tables #1 and #2 are examples of increases in value of a Roth IRA if certain deposits are made and rates are maintained throughout the life of your Roth IRA. These are projections only and are not guaranteed amounts. The rates assumed may or may not be in effect throughout the life of your Roth IRA. The age specified in the tables is your age at the beginning of the year in which you opened your Roth IRA account. These tables reflect amounts which would be available at the end of the first five years and at the end of the years you attain age 60, 65 and 70.

**Regular Roth IRA - Table #1 Assumptions:** The projections in Table #1 are based upon an annual deposit at the beginning of each year of \$1,000 earning 1% interest compounded annually and deposited in a 5 year time deposit.

**Rollover Roth IRA - Table #2 Assumptions:** The projections in Table #2 are based upon a one time rollover deposit at the beginning of the year of \$1,000 earning 1% interest compounded annually and deposited in a 5 year time deposit.

**Early Withdrawal Penalties:** Early withdrawal penalties may be imposed if any funds deposited in the account are withdrawn from the account prior to the maturity date of the account. Therefore, Tables #1 and #2 reflect early withdrawal penalties of 3 months, 6 months and 1 year. Of course, if funds are withdrawn upon maturity of the deposit account, no penalty will be assessed.

**Equivalent Rates:** Tables #1 and #2 reflect an annual interest rate of 1% compounded annually which equates to approximately: 1.005% if compounded continuously; 1.005% if compounded daily with a 365/365 factor; 1.0046% if compounded monthly; and 1.0038% if compounded quarterly.

**Custodian Fees:** The Custodian may charge reasonable fees or compensation for its services and it may deduct all reasonable expenses incurred by it in the administration of your Roth IRA, including any legal, accounting, distribution, transfer, termination or other designated fees. Any charges made by the Custodian will be separately disclosed on an attachment hereto.

Table #1 First Five Years																												
	End of Year			No Penalty			3-Month Penalty			6-Month Penalty			1-Year Penalty															
	1	2	3	4	5	1,010	2,030	3,060	4,101	5,152	1,007	2,025	3,053	4,091	5,152	1,005	2,020	3,045	4,081	5,152	1,000	2,010	3,030	4,061	5,152			
Age	60	65	70	60	65	70	60	65	70	60	65	70	60	65	70	60	65	70	60	65	70	60	65	70	60	65	70	
18	52,398	60,223	68,447	52,143	59,929	68,113	51,904	59,652	67,796	51,410	59,082	67,144	50,879	58,626	66,769	50,632	58,341	66,443	50,385	58,056	66,118	49,375	57,046	65,108	49,375	57,046	65,108	
19	50,879	58,626	66,769	50,752	58,480	66,602	50,632	58,341	66,443	50,385	58,056	66,118	49,375	57,046	65,108	49,375	57,046	65,108	49,375	57,046	65,108	49,375	57,046	65,108	49,375	57,046	65,108	49,375
20	49,375	57,046	65,108	49,375	57,046	65,108	49,375	57,046	65,108	49,375	57,046	65,108	49,375	57,046	65,108	49,375	57,046	65,108	49,375	57,046	65,108	49,375	57,046	65,108	49,375	57,046	65,108	49,375
21	47,886	55,481	63,463	47,451	54,972	62,877	47,045	54,494	62,322	46,203	53,506	61,181	46,412	53,932	61,835	46,086	53,550	61,395	45,781	53,191	60,979	45,150	52,451	60,123	44,953	52,398	60,223	44,735
22	46,412	53,932	61,835	46,086	53,550	61,395	45,781	53,191	60,979	45,150	52,451	60,123	44,953	52,398	60,223	44,735	52,143	59,929	44,532	51,904	59,652	44,111	51,410	59,082	44,111	51,410	59,082	44,111
23	45,150	52,451	60,123	44,953	52,398	60,223	44,735	52,143	59,929	44,532	51,904	59,652	44,111	51,410	59,082	44,111	51,410	59,082	44,111	51,410	59,082	44,111	51,410	59,082	44,111	51,410	59,082	44,111
24	43,508	50,879	58,626	43,399	50,752	58,480	43,297	50,632	58,341	43,087	50,385	58,056	42,077	49,375	57,046	42,077	49,375	57,046	42,077	49,375	57,046	42,077	49,375	57,046	42,077	49,375	57,046	42,077
25	42,077	49,375	57,046	42,077	49,375	57,046	42,077	49,375	57,046	42,077	49,375	57,046	42,077	49,375	57,046	42,077	49,375	57,046	42,077	49,375	57,046	42,077	49,375	57,046	42,077	49,375	57,046	42,077
26	40,660	47,886	55,481	40,295	47,451	54,972	39,958	47,045	54,494	39,255	46,203	53,506	39,258	46,412	53,932	38,984	46,086	53,550	38,731	45,781	53,191	38,204	45,150	52,451	38,204	45,150	52,451	38,204
27	39,258	46,412	53,932	38,984	46,086	53,550	38,731	45,781	53,191	38,204	45,150	52,451	38,204	45,150	52,451	38,204	45,150	52,451	38,204	45,150	52,451	38,204	45,150	52,451	38,204	45,150	52,451	38,204
28	37,869	44,953	52,398	37,687	44,735	52,143	37,518	44,532	51,904	37,166	44,111	51,410	36,494	43,508	50,879	36,403	43,399	50,752	36,318	43,297	50,632	36,143	43,087	50,385	36,143	43,087	50,385	36,143
29	36,494	43,508	50,879	36,403	43,399	50,752	36,318	43,297	50,632	36,143	43,087	50,385	36,143	43,087	50,385	36,143	43,087	50,385	36,143	43,087	50,385	36,143	43,087	50,385	36,143	43,087	50,385	36,143
30	35,133	42,077	49,375	35,133	42,077	49,375	35,133	42,077	49,375	35,133	42,077	49,375	35,133	42,077	49,375	35,133	42,077	49,375	35,133	42,077	49,375	35,133	42,077	49,375	35,133	42,077	49,375	35,133
31	33,785	40,660	47,886	33,487	40,295	47,451	33,214	39,958	47,045	32,644	39,255	46,203	33,785	40,660	47,886	33,487	40,295	47,451	33,214	39,958	47,045	32,644	39,255	46,203	33,785	40,660	47,886	33,487
32	32,450	39,258	46,412	32,227	38,984	46,086	32,023	38,731	45,781	31,595	38,204	45,150	32,450	39,258	46,412	32,227	38,984	46,086	32,023	38,731	45,781	31,595	38,204	45,150	32,450	39,258	46,412	32,227
33	31,129	37,869	44,953	30,980	37,687	44,735	30,844	37,518	44,532	30,559	37,166	44,111	31,129	37,869	44,953	30,980	37,687	44,735	30,844	37,518	44,532	30,559	37,166	44,111	31,129	37,869	44,953	30,980
34	29,821	36,494	43,508	29,746	36,403	43,399	29,678	36,318	43,297	29,536	36,143	43,087	29,821	36,494	43,508	29,746	36,403	43,399	29,678	36,318	43,297	29,536	36,143	43,087	29,821	36,494	43,508	29,746
35	28,526	35,133	42,077	28,526	35,133	42,077	28,526	35,133	42,077	28,526	35,133	42,077	28,526	35,133	42,077	28,526	35,133	42,077	28,526	35,133	42,077	28,526	35,133	42,077	28,526	35,133	42,077	28,526
36	27,243	33,785	40,660	27,008	33,487	40,295	26,798	33,214	39,358	26,354	32,644	39,255	27,243	33,785	40,660	27,008	33,487	40,295	26,798	33,214	39,358	26,354	32,644	39,255	27,243	33,785	40,660	27,008
37	25,973	32,450	39,258	25,797	32,227	38,984	25,640	32,023	38,731	25,306	31,595	38,204	25,973	32,450	39,258	25,797	32,227	38,984	25,640	32,023	38,731	25,306	31,595	38,204	25,973	32,450	39,258	25,797
38	24,716	31,129	37,869	24,599	30,980	37,687	24,494	30,844	37,518	24,272	30,559	37,166	24,716	31,129	37,869	24,599	30,980	37,687	24,494	30,844	37,518	24,272	30,559	37,166	24,716	31,129	37,869	24,599
39	23,472	29,821	36,494	23,413	29,746	36,403	23,360	29,678	36,318	23,249	29,536	36,143	23,472	29,821	36,494	23,413	29,746	36,403	23,360	29,678	36,318	23,249	29,536	36,143	23,472	29,821	36,494	23,413
40	22,239	28,526	35,133	22,239	28,526	35,133	22,239	28,526	35,133	22,239	28,526	35,133	22,239	28,526	35,133	22,239	28,526	35,133	22,239	28,526	35,133	22,239	28,526	35,133	22,239	28,526	35,133	22,239
41	21,019	27,243	33,785	20,845	27,008	33,487	20,694	26,798	33,214	20,369	26,354	32,644	21,019	27,243	33,785	20,845	27,008	33,487	20,694	26,798	33,214	20,369	26,354	32,644	21,019	27,243	33,785	20,845
42	19,811	25,973	32,450	19,680	25,797	32,227	19,567	25,640	32,023	19,323	25,306	31,595	19,811	25,973	32,450	19,680	25,797	32,227	19,567	25,640	32,023	19,323	25,306	31,595	19,811	25,973	32,450	19,680
43	18,615	24,716	31,129	18,528	24,599	30,980	18,452	24,494	30,844	18,290	24,272	30,559	18,615	24,716	31,129	18,528	24,599	30,980	18,452	24,494	30,844	18,290	24,272	30,559	18,615	24,716	31,129	18,528
44	17,430	23,472	29,821	17,387	23,413	29,746	17,349	23,360	29,678	17,268	23,249	29,536	17,430	23,472	29,821	17,387	23,413	29,746	17,349	23,360	29,678	17,268	23,249	29,536	17,430	23,472	29,821	17,387
45	16,258	22,239	28,526	16,258	22,239	28,526	16,258	22,239	28,526	16,258	22,239	28,526	16,258	22,239	28,526	16,258	22,239	28,526	16,258	22,239	28,526	16,258	22,239	28,526	16,258	22,239	28,526	16,258
46	15,097	21,019	27,243	14,980	20,845	27,008	14,886	20,694	26,798	14,674	20,369	26,354	15,097	21,019	27,243	14,980	20,845	27,008	14,886	20,694	26,798	14,674	20,369	26,354	15,097	21,019	27,243	14,980
47	13,947	19,811	25,973	13,860	19,680	25,797	13,789	19,567	25,640	13,630	19,323	25,306	13,947	19,811	25,973	13,860	19,680	25,797	13,789	19,567	25,640	13,630	19,323	25,306	13,947	19,811	25,973	13,860
48	12,809	18,615	24,716	12,751	18,528	24,599	12,704	18,452	24,494	12,598	18,290	24,272	12,809	18,615	24,716	12,751	18,528	24,599	12,704	18,452	24,494	12,598	18,290	24,272	12,809	18,615	24,716	12,751
49	11,683	17,430	23,472	1																								

Table #2  
First Five Years

End of Year	No Penalty	3-Month Penalty	6-Month Penalty	1-Year Penalty
1	1,010	1,008	1,005	1,000
2	1,020	1,018	1,015	1,010
3	1,030	1,028	1,025	1,020
4	1,041	1,038	1,036	1,031
5	1,051	1,051	1,051	1,051

Age	No Penalty			3-Month Penalty			6-Month Penalty			1-Year Penalty		
	60	65	70	60	65	70	60	65	70	60	65	70
18	1,519	1,596	1,678	1,515	1,592	1,674	1,511	1,588	1,670	1,504	1,581	1,661
19	1,504	1,580	1,661	1,500	1,577	1,657	1,496	1,573	1,653	1,489	1,565	1,645
20	1,489	1,565	1,645	1,489	1,565	1,645	1,489	1,565	1,645	1,489	1,565	1,645
21	1,474	1,549	1,628	1,471	1,546	1,624	1,467	1,542	1,621	1,460	1,539	1,613
22	1,460	1,534	1,612	1,456	1,530	1,608	1,452	1,527	1,604	1,445	1,524	1,597
23	1,445	1,519	1,596	1,442	1,515	1,592	1,438	1,511	1,588	1,431	1,509	1,581
24	1,431	1,504	1,580	1,427	1,500	1,577	1,424	1,496	1,573	1,417	1,496	1,565
25	1,417	1,489	1,565	1,417	1,489	1,565	1,417	1,489	1,565	1,417	1,489	1,565
26	1,403	1,474	1,549	1,399	1,471	1,546	1,396	1,467	1,542	1,389	1,465	1,534
27	1,389	1,460	1,534	1,385	1,456	1,530	1,382	1,452	1,527	1,375	1,451	1,519
28	1,375	1,445	1,519	1,372	1,442	1,515	1,368	1,438	1,511	1,361	1,437	1,504
29	1,361	1,431	1,504	1,358	1,427	1,500	1,355	1,424	1,496	1,348	1,427	1,489
30	1,348	1,417	1,489	1,348	1,417	1,489	1,348	1,417	1,489	1,348	1,417	1,489
31	1,335	1,403	1,474	1,331	1,399	1,471	1,328	1,396	1,467	1,322	1,395	1,460
32	1,321	1,389	1,460	1,318	1,385	1,456	1,315	1,382	1,452	1,308	1,381	1,445
33	1,308	1,375	1,445	1,305	1,372	1,442	1,302	1,368	1,438	1,295	1,369	1,431
34	1,295	1,361	1,431	1,292	1,358	1,427	1,289	1,355	1,424	1,282	1,354	1,417
35	1,282	1,348	1,417	1,282	1,348	1,417	1,282	1,348	1,417	1,282	1,348	1,417
36	1,270	1,335	1,403	1,267	1,331	1,399	1,264	1,328	1,396	1,258	1,322	1,389
37	1,257	1,321	1,389	1,254	1,318	1,385	1,251	1,315	1,382	1,245	1,308	1,375
38	1,245	1,308	1,375	1,242	1,305	1,372	1,239	1,302	1,368	1,233	1,295	1,361
39	1,232	1,295	1,361	1,229	1,292	1,358	1,226	1,289	1,355	1,220	1,282	1,348
40	1,220	1,282	1,348	1,220	1,282	1,348	1,220	1,282	1,348	1,220	1,282	1,348
41	1,208	1,270	1,335	1,205	1,267	1,331	1,202	1,264	1,328	1,196	1,258	1,322
42	1,196	1,257	1,321	1,193	1,254	1,318	1,190	1,251	1,315	1,185	1,245	1,308
43	1,184	1,245	1,308	1,181	1,242	1,305	1,178	1,239	1,302	1,173	1,233	1,295
44	1,173	1,232	1,295	1,170	1,229	1,292	1,167	1,226	1,289	1,161	1,220	1,282
45	1,161	1,220	1,282	1,161	1,220	1,282	1,161	1,220	1,282	1,161	1,220	1,282
46	1,149	1,208	1,270	1,147	1,205	1,267	1,144	1,202	1,264	1,138	1,196	1,258
47	1,138	1,196	1,257	1,135	1,193	1,254	1,133	1,190	1,251	1,127	1,185	1,245
48	1,127	1,184	1,245	1,124	1,181	1,242	1,121	1,178	1,239	1,116	1,173	1,233
49	1,116	1,173	1,232	1,113	1,170	1,229	1,110	1,167	1,226	1,105	1,161	1,220
50	1,105	1,161	1,220	1,105	1,161	1,220	1,105	1,161	1,220	1,105	1,161	1,220
51	1,094	1,149	1,208	1,091	1,147	1,205	1,088	1,144	1,202	1,083	1,138	1,196
52	1,083	1,138	1,196	1,080	1,135	1,193	1,078	1,133	1,190	1,072	1,127	1,185
53	1,072	1,127	1,184	1,070	1,124	1,181	1,067	1,121	1,178	1,062	1,116	1,173
54	1,062	1,116	1,173	1,059	1,113	1,170	1,056	1,110	1,167	1,051	1,105	1,161
55	1,051	1,105	1,161	1,051	1,105	1,161	1,051	1,105	1,161	1,051	1,105	1,161
56	1,041	1,094	1,149	1,038	1,091	1,147	1,036	1,088	1,144	1,031	1,083	1,138
57	1,030	1,083	1,138	1,028	1,080	1,135	1,025	1,078	1,133	1,020	1,072	1,127
58	1,020	1,072	1,127	1,018	1,070	1,124	1,015	1,067	1,121	1,010	1,062	1,116
59	1,010	1,062	1,116	1,008	1,059	1,113	1,005	1,056	1,110	1,000	1,051	1,105
60	0	1,051	1,105	0	1,051	1,105	0	1,051	1,105	0	1,050	1,105
61	0	1,041	1,094	0	1,038	1,091	0	1,036	1,088	0	1,031	1,083
62	0	1,030	1,083	0	1,028	1,080	0	1,025	1,078	0	1,020	1,072
63	0	1,020	1,072	0	1,018	1,070	0	1,015	1,067	0	1,010	1,062
64	0	1,010	1,062	0	1,008	1,059	0	1,005	1,056	0	1,000	1,051
65	0	0	1,051	0	0	1,051	0	0	1,051	0	0	1,050
66	0	0	1,041	0	0	1,038	0	0	1,036	0	0	1,031
67	0	0	1,030	0	0	1,028	0	0	1,025	0	0	1,020
68	0	0	1,020	0	0	1,018	0	0	1,015	0	0	1,010
69	0	0	1,010	0	0	1,008	0	0	1,005	0	0	1,000
70	0	0	0	0	0	0	0	0	0	0	0	0