

# American Freedom Stars & Stripes 7

## OVERVIEW

|  |   |
|--|---|
| <b>ISSUE AGES</b>                      | <p>0-88 (qualified); 0-88 (non-qualified); 0-75 (inherited IRA); 0-75 (inherited non-qualified)</p> <p>Issue age is defined as owner's current age upon contract effective date. For joint owners, the older age will be used as the issue age.</p>   |
| <b>PURCHASE PAYMENTS</b>               | <p>This product accepts a single purchase payment for non-qualified, 403(b) (Traditional and Roth), Traditional IRA, Roth IRA, SEP IRA, SIMPLE IRA, Inherited IRA, Inherited non-qualified and 457 plan funds.</p> <p><b>Minimum:</b> \$10,000</p> <p><b>Maximum:</b> \$1 million for ages 0-85; \$500,000 for ages 86+ without prior Home Office approval</p> <p>Maximums apply to the total purchase payments made to all annuities from MassMutual Ascend with the same owners or the same annuitants.</p>   |
| <b>INTEREST RATES</b>                  | <p>The base interest rate at the beginning of each term is guaranteed to be the base interest rate at the end of that term. Current interest rates and guaranteed interest rates may vary by state; please refer to the current interest rate chart.</p>  |
| <b>TERMS</b>                           | <p>This product has a seven-year term.</p>  |
| <b>ANNUAL INTEREST RATE ADJUSTMENT</b> | <p>In years two through seven, 0.25% will be added to the previous year's credited rate.</p>  |
| <b>EXTENDED CARE WAIVER RIDER</b>      | <p>To help ease the strain of certain unforeseen events, an extended care waiver rider is available for no additional charge. If the owner is confined to a nursing home or other long-term care facility after the completion of the first contract year for at least 90 consecutive days, early withdrawal charges may be waived on withdrawals up to a full surrender.</p> <p><i>Not available in Massachusetts. In California, the Extended Care Waiver Rider has been replaced with the Waiver of Early Withdrawal Charges for Facility Care or Home Care or Community-Based Services Rider, which provides for a waiver of early withdrawal charges under an expanded variety of circumstances.</i></p> |
| <b>TERMINAL ILLNESS WAIVER RIDER</b>   | <p>Provided that the diagnosis is rendered more than one year after the contract effective date, up to 100% of the account value can be withdrawn without deduction of an early withdrawal charge if the owner or joint owner is diagnosed by a physician as having a terminal illness with a prognosis of 12 months or less.</p> <p><i>This waiver may be used only once. Not available in Massachusetts</i></p>   |
| <b>ACCOUNT VALUE</b>                   | <p>The account value is equal to 100% of the purchase payment received, plus interest credited daily, less any amounts withdrawn, including any applicable MVA or early withdrawal charges, less any applicable premium taxes and other taxes required by your state.</p>   |

| <b>SURRENDER VALUE</b>               | The surrender value is equal to the account value, less any early withdrawal charge and MVA that would apply to a surrender.   |                      |    |    |    |    |    |    |   |    |                                |    |    |    |    |    |    |    |    |
|--------------------------------------|--|----------------------|----|----|----|----|----|----|---|----|--------------------------------|----|----|----|----|----|----|----|----|
| <b>MARKET VALUE ADJUSTMENT (MVA)</b> | <p>During each seven-year term, a market value adjustment or MVA will apply to withdrawals and surrenders. The MVA factor is calculated by comparing the interest rate environment when the contract is purchased to the environment when the withdrawal is taken or the contract is surrendered. This can result in an increase to the surrender value during a period of decreasing rates, or a decrease from the surrender value during a period of increasing or steady rates. The MVA will not apply if renewed for one-year terms or during the last 30 days of a multi-year term.</p> <p><i>The following states do not allow an MVA feature on the contract: Indiana, Minnesota, Missouri and Ohio. Non-MVA interest rates apply in these states.</i></p>  |                      |    |    |    |    |    |    |   |    |                                |    |    |    |    |    |    |    |    |
| <b>EARLY WITHDRAWAL CHARGE</b>       | <p>During each seven-year term, an early withdrawal charge is applied to surrenders and withdrawals. Early withdrawal charges will not apply if renewed for one-year terms or during the last 30 days of a multi-year term.</p> <table border="1"> <thead> <tr> <th><b>CONTRACT YEAR</b></th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8+</th> </tr> </thead> <tbody> <tr> <td><b>EARLY WITHDRAWAL CHARGE</b></td> <td>9%</td> <td>8%</td> <td>7%</td> <td>6%</td> <td>5%</td> <td>4%</td> <td>3%</td> <td>0%</td> </tr> </tbody> </table>   | <b>CONTRACT YEAR</b> | 1  | 2  | 3  | 4  | 5  | 6  | 7 | 8+ | <b>EARLY WITHDRAWAL CHARGE</b> | 9% | 8% | 7% | 6% | 5% | 4% | 3% | 0% |
| <b>CONTRACT YEAR</b>                 | 1  | 2                    | 3  | 4  | 5  | 6  | 7  | 8+ |   |    |                                |    |    |    |    |    |    |    |    |
| <b>EARLY WITHDRAWAL CHARGE</b>       | 9%   | 8%                   | 7% | 6% | 5% | 4% | 3% | 0% |   |    |                                |    |    |    |    |    |    |    |    |
| <b>FREE WITHDRAWAL ALLOWANCE</b>     | <p>At any time before the first contract anniversary, up to 10% of the total purchase payment may be withdrawn without incurring an MVA or early withdrawal charge.</p> <p>At any time after the first contract anniversary, up to 10% of the account value as of the most recent contract anniversary may be withdrawn without incurring an MVA or early withdrawal charge.</p> <p>Cumulative withdrawals made in any year that exceed this 10% withdrawal allowance are subject to an MVA and early withdrawal charges. Unused portions of the free withdrawal allowance may not be carried over from one contract year to the next.</p>   |                      |    |    |    |    |    |    |   |    |                                |    |    |    |    |    |    |    |    |
| <b>WITHDRAWALS</b>                   | <p>Withdrawals generally are allowed any time and are subject to IRS regulations.</p> <p><b>Minimum withdrawal:</b> \$500;</p> <p><b>Minimum account value following withdrawal:</b> \$5,000. Any withdrawals received prior to age 59½ may be subject to restrictions and a 10% penalty tax.</p>  |                      |    |    |    |    |    |    |   |    |                                |    |    |    |    |    |    |    |    |
| <b>DEATH BENEFIT</b>                 | The account value will be paid upon death of the owner. A spouse who is the sole surviving beneficiary may elect to become the successor owner.  |                      |    |    |    |    |    |    |   |    |                                |    |    |    |    |    |    |    |    |
| <b>PAYOUT OPTIONS</b>                | The following payout options are available: fixed period income, life income or life income with payments for at least a fixed period, and joint and one-half survivor income. The account value will be used to provide income benefit payments.  |                      |    |    |    |    |    |    |   |    |                                |    |    |    |    |    |    |    |    |
| <b>RENEWAL</b>                       | At the end of a multi-year term, if a new term longer than one year is available, clients will have the option to renew their contract for one-year terms or begin a new multi-year term. If clients do not choose an option, the contract will automatically renew for one-year terms. No MVA or early withdrawal charge will apply during one-year terms. The MVA and early withdrawal charge apply during every multi-year renewal term, except during the last 30 days of the term. Any withdrawals received prior to age 59½ may be subject to restrictions and a 10% tax penalty. If the owner does not elect an option at the end of a term, the contract will automatically renew for a one-year term. The MVA and early withdrawal charges do not apply during one-year terms. The base interest rate in effect for a new term will be guaranteed for the length of the new term. |                      |    |    |    |    |    |    |   |    |                                |    |    |    |    |    |    |    |    |
| <b>STATE VARIATIONS</b>              | Term renewal of one year only available in Maryland, Mississippi, Oregon, Rhode Island and Washington.   |                      |    |    |    |    |    |    |   |    |                                |    |    |    |    |    |    |    |    |

Product issued by MassMutual Ascend Life Insurance Company (Cincinnati, Ohio), a wholly owned subsidiary of Massachusetts Mutual Life Insurance Company (MassMutual), under contract form P1081610NW and rider forms R6032310NW and R6032410NW (not available in Massachusetts). Form numbers, features and availability may vary by state.

All guarantees subject to the claims-paying ability of MassMutual Ascend.

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The logo for MassMutual Ascend, featuring three blue dots to the left of the text "MassMutual Ascend" in a bold, blue, sans-serif font.