

## **ANNUAL STATEMENT**

FOR THE YEAR ENDED DECEMBER 31, 2012

OF THE CONDITION AND AFFAIRS OF THE SEPARATE ACCOUNTS OF THE

**Massachusetts Mutual Life Insurance Company** 

NAIO GIOU		(Prior)		
Organized under the Laws of	Massa	chusetts	, State of Domicile or Port of E	ntry Massachusetts
Country of Domicile		United Sta	ates of America	
Type of Separate Accounts Ins	ulated [ X ] Non-	Insulated [ ]		
Incorporated/Organized	05/15/1851		Commenced Business _	08/01/1851
Statutory Home Office	1295 State	Street	,	Springfield , MA, US 01111
, <u>——</u>	(Street and N	umber)	(City o	r Town, State, Country and Zip Code)
Main Administrative Office			State Street	
Spri	ngfield , MA, US 01111	(Street	t and Number)	413-788-8411
	n, State, Country and Zip	Code)	· (/	Area Code) (Telephone Number)
Mail Address	1295 State Stree	rt .		Springfield , MA, US 01111
	(Street and Number or F	.O. Box)	(City o	r Town, State, Country and Zip Code)
Primary Location of Books and Rec	ords		State Street	
Spri	ngfield , MA, US 01111	(Street	t and Number)	413-788-8411
	n, State, Country and Zip	Code)	( <i>i</i>	Area Code) (Telephone Number)
Internet Website Address		www.ma	assmutual.com	
Statutory Statement Contact	Tamm	y A. Peatman		413-744-6327
		(Name)		(Area Code) (Telephone Number)
tpeat	man@massmutual.com (E-mail Address)			413-226-4086 (FAX Number)
		OF	FICERS	
President and Chief		_	TIOLING	
Executive Officer	Roger Willian Christine Care			Todd Garett Picken Isadore Jermyn
Secretary	Chilistine Can	DIE FEASIEE	Actuary _	Isadore Jermyn
Michael Thomas Rollings Exect Chief Financial Robert Joseph Casale Execut Chief Information  Elaine Anne Sarsynski Exect	Officer ive Vice President and Officer	Debra Ann Palermir Elizabeth Ward Chicare	ning Executive Vice President  no Executive Vice President es Executive Vice President and ef Risk Officer	Melvin Timothy Corbett Executive Vice President and Chief Investment Officer  Mark Douglas Roellig Executive Vice President and General Counsel
Liaine Anne Sarsynski Exec	culive vice Fresident			
Roger William Cranda	ıll - Chairman		S OR TRUSTEES s Corcoran Barry	Cristóbal Ignacio Conde
Kathleen Ann (	Corbet	James Her	nry DeGraffenreidt Jr	Patricia Diaz Dennis
Robert Alan Essner - Cathy Elizabeth I			t Michael Furek Francis Racicot	Raymond Walter LeBoeuf Laura Jeanne Sen #
William Taylor	Spitz	Howa	ard Todd Stitzer	
State of Ma	aaaah uaatta			
	assachusetts Hampden	SS:		
all of the herein described assets statement, together with related ext condition and affairs of the said rep in accordance with the NAIC Annu rules or regulations require differ respectively. Furthermore, the sco	were the absolute proper nibits, schedules and expl orting entity as of the repr all Statement Instructions ences in reporting not re pe of this attestation by the	ty of the said reporting el anations therein contained orting period stated above and Accounting Practices elated to accounting pra- the described officers also	ntity, free and clear from any lient d, annexed or referred to, is a full a e, and of its income and deductions s and Procedures manual except ctices and procedures, according to includes the related corresponding	porting entity, and that on the reporting period stated above is or claims thereon, except as herein stated, and that this and true statement of all the assets and liabilities and of the is therefrom for the period ended, and have been completed to the extent that: (1) state law may differ; or, (2) that state is to the best of their information, knowledge and belief ing electronic filing with the NAIC, when required, that is arry be requested by various regulators in lieu of or in addition
Roger William Crand President and Chief Executiv			Carole Peaslee	Todd Garett Picken Treasurer
Subscribed and sworn to before me day of	e this		a. Is this an original filin b. If no, 1. State the amendm 2. Date filed	nent number

## **ASSETS**

			Current Year		Prior Year
		1 General Account	2 Fair Value	3 Total	4
		Basis	Basis	(Cols. 1 + 2)	Total
1.	Bonds (Schedule D)		12,003,129,048	12,003,129,048	6, 147, 041, 452
2.	Stocks (Schedule D):				
	2.1 Preferred stocks		3,062,500	3,062,500	2,637,500
	2.2 Common stocks		35,978,349,737	35,978,349,737	32,416,277,403
3.	Mortgage loans on real estate (Schedule B)		4,066,529	4,066,529	4,545,735
4.	Real estate (Schedule A):				
	4.1 Properties held for the production of income (less				
	\$330,054,938 encumbrances)		100 , 166 ,740	100 , 166 ,740	128,670,891
	4.2 Properties held for sale (less \$				
	encumbrances)				
5.	Contract loans				
6.	Cash (\$17,494,342 Schedule E - Part 1), and cash				
	equivalents (\$2,427,808,033 , Schedule E - Part 2)		2,445,302,375	2,445,302,375	1,740,611,817
7.	Short-term investments (Schedule DA)		630,945,404	630,945,404	254,001,771
8.	Derivatives (Schedule DB)		8,472,343	8,472,343	161,499,865
9.	Other invested assets (Schedule BA)		386,036,623	386,036,623	350,778,780
10.	Securities lending reinvested collateral assets (Schedule DL)				
11.	Aggregate write-ins for invested assets	-			
12.	Subtotals, cash and invested assets (Lines 1 to 11)		51,559,531,299	51,559,531,299	41,206,065,214
13.	Investment income due and accrued		89,330,415	89,330,415	55,225,872
14.	Receivables for securities	-	678,649,449	678,649,449	259,497,306
15.	Net adjustment in assets and liabilities due to foreign exchange rates		28,966	28,966	(42,230)
16.	Aggregate write-ins for other than invested assets	-	12,666,128	12,666,128	11,582,324
17.	Total (Lines 12 to 16)		52,340,206,257	52,340,206,257	41,532,328,486
	DETAILS OF WRITE-INS				
1101.					
1102.					
1103.					
1198.	Summary of remaining write-ins for Line 11 from overflow page				
1199.	Totals (Lines 1101 thru 1103 plus 1198)(Line 11 above)				
1601.	Real estate notes receivable		9,721,236	9,721,236	8,016,701
1602.	Receivable from hotel operations			1,762,640	1,608,901
1603.	Prepaid miscellaneous expense			1,175,874	1,007,390
1698.	Summary of remaining write-ins for Line 16 from overflow page		6,378	6,378	949,332
1699.	Totals (Lines 1601 thru 1603 plus 1698)(Line 16 above)		12,666,128	12,666,128	11,582,324
.000.	- 3.5.5 (=30 1001 tilla 1000 plao 1000)(Ellio 10 abovo)	L	12,000,120	12,000,120	11,002,024

## **LIABILITIES AND SURPLUS**

		7 (11D CC)	î LUU		5: V
		, ,	Current Year	_	Prior Year
		1 General Account Basis	Fair Value Basis	3 Total (Cols. 1 + 2)	4 Total
1.	Aggregate reserve for life, annuity and accident and health contracts (Exhibit 3, Line 9999999, Col. 2)	·	50,941,560,884	50,941,560,884	40,599,566,215
2.	Liability for deposit-type contracts (Exhibit 4, Line 9, Col. 1)	·	250,398,984	250,398,984	250,560,622
3.	Interest Maintenance Reserve				
4.	Charges for investment management, administration and contract guarantees due or accrued	,	38,149,422	38,149,422	26,230,252
5.	Investment expenses due or accrued (Exhibit 1, Line 24)				
6.	Investment taxes, licenses and fees due or accrued, excluding federal income taxes (Exhibit 2, Line 8)		551,934	551,934	970,886
7.	Federal and foreign income taxes due or accrued (excluding deferred taxes)				
8.	Reserve for future federal income taxes				
9.	Unearned investment income		1, 170, 904	1,170,904	1,286,560
10.	Other transfers to general account due or accrued (net) (including				
	\$247,489,487 accrued expense allowances recognized in				
	reserves)		246,580,163	246,580,163	262,405,061
11.	Remittances and items not allocated		164,744,601	164,744,601	102,669,003
12.	Derivatives		5,883,772	5,883,772	8,136,066
13.	Payable for securities		679,358,367	679,358,367	269,906,684
14.	Payable for securities lending	•			
15.	Net adjustment in assets and liabilities due to foreign exchange rates				
16.	Aggregate write-ins for liabilities		(844,861)	(844,861)	(135,676)
17.	Total liabilities (including \$284,729,585 due or accrued net				
	transfers to or (from) the general account)		52,331,384,851	52,331,384,851	41,524,672,582
18.	Contributed surplus		3,275	3,275	(4,617,913)
19.	Aggregate write-ins for special surplus funds				
20.	Unassigned funds		8,818,131	8,818,131	12,273,817
21.	Surplus (Lines 18 through 20)		8,821,406	8,821,406	7,655,904
22.	Totals		52,340,206,257	52,340,206,257	41,532,328,486
	DETAILS OF WRITE-INS				
1601.	Annuitant mortality fluctuation fund		247, 182	247, 182	225,296
1602.	Derivatives accrued interest on swaps		(1,092,043)	(1,092,043)	(360,972)
1603.					
1698.	Summary of remaining write-ins for Line 16 from overflow page				
1699.	Totals (Lines 1601 thru 1603 plus 1698)(Line 16 above)		(844,861)	(844,861)	(135,676)
1901.					
1902.					
1903.					
1998.	Summary of remaining write-ins for Line 19 from overflow page				
1999.	Totals (Lines 1901 thru 1903 plus 1998)(Line 19 above)				

## **SUMMARY OF OPERATIONS**

	SUMINARY OF OPERATIONS		
		1 Current Year	2 Prior Year
1.	Transfers to Separate Accounts:		
	1.1 Net premiums and annuity considerations for life and accident and health contracts		6,427,522,629
	1.2 Considerations for supplementary contracts with life contingencies		
	1.3 Aggregate write-ins for other transfers to Separate Accounts		6,427,522,629
2.	1.4 Totals (Lines 1.1 to 1.3)	11,730,396,794	0,421,522,629
۷.	less \$	(1.779.730)	(379.457.638)
3.	Net investment income and capital gains and losses		
4.	Aggregate write-ins for other income	795	18,683
5.	Totals (Lines 1.4 to 4)	16,752,622,337	6,261,176,245
DEDUC	T:		
6.	Transfers from the Separate Account on account of contract benefits:		
	6.1 Death benefits		
	6.2 Matured endowments		
	6.3 Annuity benefits		
	6.5 Accident and health benefits		
	6.6 Surrender benefits and withdrawals for life contracts		
	6.7 Aggregate write-ins for other transfers from Separate Accounts on account of contract benefits	, , , , , , ,	
7.	Transfers on account of policy loans		
8.	Net transfer of reserves from or (to) Separate Accounts	356,486,953	525,993,141
9.	Other transfers from the Separate Accounts:		
	9.1 Federal and foreign income taxes incurred		
	9.2 Change in expense allowances recognized in reserves		(51,037,738)
	9.3 Aggregate write-ins for other transfers from Separate Accounts	7,319	
10.	Subtotals (Lines 6.1 to 9.3)	6,097,158,754	5,466,101,723
11.	Fees associated with charges for investment management, administration and contract guarantees		
12.	Increase in aggregate reserve for life and accident and health contracts		865,735,537
13.	Increase in liability for deposit-type contracts		(3//,20/,358)
14.	Increase in reserve for future federal income taxes		9,536,932
15. 16.	Aggregate write-ins for reserves and funds		6,260,907,834
	Totals (Lines 10 to 15)		268,411
17.	SURPLUS ACCOUNT	25,504	200,411
18.	Surplus, December 31, prior year	7,655,904	12,681,374
19.	Net gain from operations (Line 17)		268.411
20.	Surplus contributed or (withdrawn) during year		(4,697,522)
21.	Change in reserve on account of change in valuation basis, (increase) or decrease		
22.	Transfer from Separate Accounts of the change in expense allowances recognized in Line 21		
23.	Aggregate write-ins for gains and losses in surplus		(596,359)
24.	Surplus, December 31, current year (Page 3, Line 21)	8,821,406	7,655,904
	DETAILS OF WRITE-INS		
	Summary of remaining write-ins for Line 1.3 from overflow page		
	Totals (Lines 01.301 thru 01.303 plus 01.398)(Line 1.3 above)		
	Miscellaneous gain	795	18,683
0403.			
	Summary of remaining write-ins for Line 4 from overflow page		
0499.	Totals (Lines 0401 thru 0403 plus 0498)(Line 4 above)	795	18,683
1			
	0		
	Summary of remaining write-ins for Line 6.7 from overflow page		
	Totals (Lines 06.701 thru 06.703 plus 06.798)(Line 6.7 above)	7,319	
	Miscellaneous loss	,	
	Summary of remaining write-ins for Line 9.3 from overflow page		
	Totals (Lines 09.301 thru 09.303 plus 09.398)(Line 9.3 above)	7,319	
	Change in annuitant mortality fluctuation fund		(6, 183)
1	Change in unrealized derivative loss/(gain) on book value account	· ·	9,543,115
1503.			
1598.	Summary of remaining write-ins for Line 15 from overflow page		
	Totals (Lines 1501 thru 1503 plus 1598)(Line 15 above)	21,886	9,536,932
	Capital preservation supplemental reserve		(596,359)
l l	Cummany of remaining write ine for Line 22 from availage upon		
	Summary of remaining write-ins for Line 23 from overflow page	1,136,643	(506.350)
∠აყყ.	Totals (Lines 2301 thru 2303 plus 2398)(Line 23 above)	1,100,040	(596,359)

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### ANNUAL STATEMENT FOR THE YEAR 2012 OF THE SEPARATE ACCOUNTS OF THE Massachusetts Mutual Life Insurance Company

#### **ANALYSIS OF OPERATIONS BY LINES OF BUSINESS**

		1	O. O. <u>—</u> .	Outlines.		0		A: -!		
		1	2	Ordinary 3	4	Gro 5	<u>up</u> 6	Accident	and Health 8	Aggregate of All Other
		Total	2 Life Insurance		Supplementary Contracts	5 Life Insurance	Annuities	/ Group	8 Other	Lines of Business
1	Transfers to Separate Accounts:	i Otal	Life insurance	individual Annuities	Supplementary Contracts	Life insurance	Annuilles	Group	Other	Lines of Business
1.	1.1 Net premiums and annuity considerations for life and accident and health contracts	11,750,398,794	87,023,640	602,953,654		4,304,376	11,056,117,124			
	1.2 Considerations for supplementary contracts with life contingencies	11,750,590,794		002,933,034		4,304,370	11,030,117,124			
	1.3 Aggregate write-ins for other transfers to Separate Accounts									
	1.4 Totals (Lines 1.1 to 1.3)	11,750,398,794	87,023,640	602,953,654		4,304,376	11,056,117,124			
		11,750,398,794	87,023,640	602,953,654		4,304,376	11,056,117,124			
2.	Transfers on account of deposit-type contracts (including	(4 770 700)		(477, 000)			// 000 500			
	\$	(1,779,730)		(177,230)			(1,602,500)			
3.	Net investment income and capital gains and losses	5,004,002,478	101,417,725	1, 190, 894, 207		58,414,091	3,653,276,455			
4.	Aggregate write-ins for other income	795				795				
	Totals (Lines 1.4 to 4)	16,752,622,337	188,441,365	1,793,670,631		62,719,262	14,707,791,079			
DEDUCT										
6.	Transfers from the Separate Account on account of contract benefits: 6.1 Death benefits	7,507,801	2,685,356			4,822,445				
	6.2 Matured endowments									
	6.3 Annuity benefits	113,516,092		113,499,527			16,565			
	6.4 Payments on supplementary contracts with life contingencies				L			L		
	6.5 Accident and health benefits									
1	6.6 Surrender benefits and withdrawals for life contracts	5,624,016,923	55, 104, 058	628,634,912		357,740,320	4,582,537,633			
	6.7 Aggregate write-ins for other transfers from Separate Accounts on account of contract		22,, 400			,,				
1	benefits							L	L	L
7.	Transfers on account of policy loans	10,986,263	10,129,281			.789 .429				
8.	Net transfer of reserves from or (to) Separate Accounts	356,486,953	278.979	11,088,337		27,434	345,092,203			
9.	Other transfers from the Separate Accounts:		2.3,010							
0.	9.1 Federal and foreign income taxes incurred									
	9.2 Change in expense allowances recognized in reserves	(15,362,597)	(2,989,018)	(12,373,579)						
	9.3 Aggregate write-ins for other transfers from Separate Accounts	7,319	4,893	2,426						
10.	Subtotals (Lines 6.1 to 9.3)	6,097,158,754	65,213,549	740,919,176		363.379.628	4.927.646.401			
	Fees associated with charges for investment management, administration and contract	0,097,136,734		740,919,170			4,927,040,401			
11.	quarantees	313,583,083	47,265,622	164,251,391		39, 121, 611	62,944,459			
12.	Increase in aggregate reserve for life and accident and health contracts	10,341,994,669	75,962,578	888,600,754		(339,781,977)	9,717,213,314			
13.	Increase in liability for deposit-type contracts	(161,639)		(122,576)			(39.063)			
14.	Increase in reserve for future federal income taxes	(101,003)		(122,570)			(09,000)			
15.	Aggregate write-ins for reserves and funds	21,886		21,886						
16.		16,752,596,753	188,441,749	1,793,670,631		62,719,262	14,707,765,111			
	Totals (Lines 10 to 15)	10,732,390,733	100,441,749	1,793,670,631		02,719,202	14,707,765,111			
17.		25.584	(384)				05.000			
	gains) (Line 5 minus Line 16)	20,084	(384)				25,968			
04.004	DETAILS OF WRITE-INS									
01.303.										
	Summary of remaining write-ins for Line 1.3 from overflow page									
	Totals (Lines 01.301 thru 01.303 plus 01.398) (Line 1.3 above)									
	Miscellaneous gain	795				795				
0402.									<b>↓</b>	
0403.										
0498.	Summary of remaining write-ins for Line 4 from overflow page				L					
0499.	Totals (Lines 0401 thru 0403 plus 0498) (Line 4 above)	795				795				
06.702.										
06.703.										
	Summary of remaining write-ins for Line 6.7 from overflow page	I								
	Totals (Lines 06.701 thru 06.703 plus 06.798) (Line 6.7 above)									1
	Miscellaneous loss	7.319	4.893	2.426					L	<b>[</b>
09.302.		, 0.0								
09.303.									T	T
	Summary of remaining write-ins for Line 9.3 from overflow page								<u> </u>	
	Totals (Lines 09.301 thru 09.303 plus 09.398) (Line 9.3 above)	7,319	4.893	2.426	•			*		
	Change in annuitant mortality fluctuation fund	21.886	т,000	21.886						<u> </u>
1501.	omanyo in annortant mortantiy muotaation lana	21,000								
1502.									1	
	Summary of remaining write-ins for Line 15 from overflow page								†	
1500	Totals (Lines 1501 thru 1503 plus 1598) (Line 15 above)	21,886		21,886						
1599.	Totals (Lines 1901 tillu 1905 pius 1996) (Line 19 above)	∠1,886		21,886						

#### ANALYSIS OF INCREASE IN RESERVES DURING THE YEAR

	ANALIGIOOTING	1	Ordinary				Group		
		·	2	3	4	5	6		
		Total	Life Insurance	Individual Annuities	Supplementary Contracts	Life Insurance	Annuities		
1.	Reserve Dec. 31 of prior year	40,599,566,215	797,353,763	8,513,504,815		2,045,133,130	29,243,574,507		
2.	Tabular net premiums and considerations for annuities and supplementary contracts with life contingencies	11,750,398,794	87,023,640	602,953,654		4,304,376	11,056,117,124		
3.	Increase or (decrease) from investment results after provision for federal income taxes	5,002,358,801	101,418,110	1,190,839,552		58,414,091	3,651,687,048		
4.	Tabular less actual reserve released								
5.	Increase in reserve on account of change in valuation basis								
6.	Other increases (net)	(6,522)	(4,894)	(2,423)		795			
7.	Totals (Lines 1 to 6)	57,352,317,288	985,790,619	10,307,295,598		2,107,852,392	43,951,378,679		
8.	Net transfer of reserves from or (to) Separate Accounts	356,486,953	278,979	11,088,337		27,434	345,092,203		
9.	Tabular cost								
10.	Reserves released by death	7,507,801	2,685,356			4,822,445			
11.	Reserves released by other terminations (net)	5,624,016,923	55 , 104 , 058	628,634,912		357,740,320	4,582,537,633		
12.	Transfers on account of annuity and supplementary contract payments involving life contingencies	113,516,092		113,499,527			16,565		
13.	Charges for investment management, administration and contract guarantees	313,583,083	47,265,622	164,251,391		39, 121,611	62,944,459		
14.	Aggregate write-ins for other decreases in reserves	(4,354,448)	7,140,263	(12,284,140)		789,429			
15.	Total deductions (Lines 8 to 14)	6,410,756,404	112,474,278	905, 190, 027		402,501,239	4,990,590,860		
16.	Reserve December 31 of current year	50,941,560,884	873,316,341	9,402,105,571		1,705,351,153	38,960,787,819		
	DETAILS OF WRITE-INS								
1401.	Change in surrender charge offset	(15,362,597)	(2,989,018)	(12,373,579)					
1402.	Change in mortality fluctuation fund	21,886		21,886					
1403.	Change in policy loans	10,986,263	10,129,281	67,553		789,429			
1498.	Summary of remaining write-ins for Line 14 from overflow page								
1499.	Totals (Lines 1401 thru 1403 plus 1498) (Line 14 above)	(4,354,448)	7,140,263	(12,284,140)		789,429			

## **EXHIBIT OF NET INVESTMENT INCOME**

		1	2
			r Earned During Yea
1.	U.S. Government bonds	(a)40,440,606	45,681,94
1.1	Bonds exempt from U.S. tax		
1.2	Other bonds (unaffiliated)	(a)223,667,347	253,519,18
1.3	Bonds of affiliates		
2.1	Preferred stocks (unaffiliated)		187,50
2.11	Preferred stocks of affiliates	(b)	
2.2	Common stocks (unaffiliated)	1,191,981,997	1, 192, 267, 04
2.21	Common stocks of affiliates		
3.	Mortgage loans	(c)251,581	249,40
4.	Real estate	(d)33,462,298	32,765,26
5	Contract loans		
6	Cash, cash equivalents and short-term investments	(e)9,897,792	10,303,55
7	Derivative instruments	(5,785,297	(5,918,80
8.	Other invested assets	639,351	639,35
9.	Aggregate write-ins for investment income	8,831,850	8,829,53
10.	Total gross investment income	1,503,575,025	
11.	Investment expenses		(g)4,739,10
12.	Investment taxes, licenses and fees, excluding federal income taxes		(g)6,490,24
13.	Interest expense		(h)
14.	Depreciation on real estate and other invested assets		(i)
15.	Aggregate write-ins for deductions from investment income		
16.	Total deductions (Lines 11 through 15)		11,229,35
17.	Net investment income (Line 10 minus Line 16)		1,527,294,62
	DETAILS OF WRITE-INS		
0901.	Miscellaneous income	8.831.850	8.829.53
902.			, ,
903.			
998.	Summary of remaining write-ins for Line 9 from overflow page		
999.	Totals (Lines 0901 thru 0903 plus 0998) (Line 9, above)	8.831.850	
1501.	Totale (Ellies see File sees) (Ellies s, above)	-,,	-,,
1502.			
503.			
598.	Summary of remaining write-ins for Line 15 from overflow page		
1599.	Totals (Lines 1501 thru 1503 plus 1598) (Line 15, above)		

(a) Includes \$		accrual of discount less \$		amortization of premium and less \$	71,305,971	paid for accrued interest on purchase	ŧs.
(b) Includes \$		accrual of discount less \$		amortization of premium and less \$		paid for accrued dividends on purcha	ses
(c) Includes \$		accrual of discount less \$		amortization of premium and less \$		paid for accrued interest on purchase	es.
(d) Includes \$		for company's occupancy of its	s own buildings	s; and excludes \$	interest on encur	mbrances.	
(e) Includes \$	51,310	accrual of discount less \$	82,459	amortization of premium and less \$	161,030	paid for accrued interest on purchase	es.
(f) Includes \$		accrual of discount less \$		amortization of premium.			
	d and Separate Acc			investment taxes, licenses and	fees, excluding fede	ral income taxes, attributable to	
(h) Includes \$		interest on surplus notes and \$	\$	interest on capital notes.			
(i) Includes \$		depreciation on real estate and	<i>2</i> b	depreciation on other inves	stad accate		

**EXHIBIT OF CAPITAL GAINS (LOSSES)** 

		1	2	3	4	5
				T		
		Daaliand Onia (Lana)	Other Deelined	Total Realized Capital	Change in	Change in Unrealized
		Realized Gain (Loss) On Sales or Maturity	Other Realized Adjustments	Gain (Loss) (Columns 1 + 2)	Unrealized Capital Gain (Loss)	Foreign Exchange Capital Gain (Loss)
1.	U.S. Government bonds			44,790,238		
1.1	Bonds exempt from U.S. tax			44,730,230	(42,303,700)	
1.1	Other bonds (unaffiliated)	49 823 683	(170 463)	49 653 220	151 036 372	284 188
1.3	Bonds of affiliates					
2.1	Preferred stocks (unaffiliated)					
2.11	Preferred stocks of affiliates					
2.11	Common stocks (unaffiliated)	688 426 306	76 /53	688 502 840	2 524 115 112	(60, 468)
2.21	Common stocks of affiliates		10,430			(03,400)
3.	Common stocks of affiliates	(2.048)		(2.048)	56 972	
4.	Real estate	(4 702 483)		(4 702 483)	16 626 388	
5.	Contract loans					
6.	Cash, cash equivalents and short-term investments					
7.	Derivative instruments					
8.	Other invested assets	(12 815 723)		(12 815 723)	3/ 363 073	101,370
9.	Aggregate write-ins for capital gains (losses)	(10,010,720)	(195.486)	(105,486)		71 106
10.	Total capital gains (losses)	931.310.727	(289.496)	931.021.231	2,545,219,129	467.494
10.	DETAILS OF WRITE-INS	301,010,727	(200,400)	301,021,201	2,040,210,120	707, 107
0901.	Capital gain(loss) on foreign currency		(105 /186)	(105 /186)		71 106
0901.						
0902.						
0903.	Summary of remaining write-ins for Line 9 from					
0990.	overflow page					
0999.	Totals (Lines 0901 thru 0903 plus 0998) (Line 9,					
	above)		(195,486)	(195,486)		71,196

#### **EXHIBIT 1 - INVESTMENT EXPENSES**

1. Rent 2. Salaries and wages 3. Contributions for benefit plans for employees (a) 4. Payments to employees under non-funded benefit plans 5. Other employee welfare 6. Legal fees and expenses 7. Fees of public accountants and consulting actuaries 8. Traveling expenses 9. Postage, express, telegraph and telephone 10. Printing and stationery 11. Cost or depreciation of furniture and equipment 12. Rental of equipment 13. Books and periodicals 14. Bureau and association fees 15. Insurance, except on real estate 16. Miscellaneous losses 17. Collection and bank service charges	
1. Rent. 2. Salaries and wages 3. Contributions for benefit plans for employees (a) 4. Payments to employees under non-funded benefit plans 5. Other employee welfare 6. Legal fees and expenses 7. Fees of public accountants and consulting actuaries 8. Traveling expenses 9. Postage, express, telegraph and telephone 10. Printing and stationery 11. Cost or depreciation of furniture and equipment 12. Rental of equipment 13. Books and periodicals 14. Bureau and association fees 15. Insurance, except on real estate 16. Miscellaneous losses	ınt
2. Salaries and wages 3. Contributions for benefit plans for employees (a) 4. Payments to employees under non-funded benefit plans 5. Other employee welfare 6. Legal fees and expenses 7. Fees of public accountants and consulting actuaries 8. Traveling expenses 9. Postage, express, telegraph and telephone 10. Printing and stationery 11. Cost or depreciation of furniture and equipment 12. Rental of equipment 13. Books and periodicals 14. Bureau and association fees 15. Insurance, except on real estate 16. Miscellaneous losses	
3. Contributions for benefit plans for employees (a)  4. Payments to employee under non-funded benefit plans  5. Other employee welfare  6. Legal fees and expenses  7. Fees of public accountants and consulting actuaries  8. Traveling expenses  9. Postage, express, telegraph and telephone  10. Printing and stationery  11. Cost or depreciation of furniture and equipment  12. Rental of equipment  13. Books and periodicals  14. Bureau and association fees  15. Insurance, except on real estate  16. Miscellaneous losses	
4. Payments to employees under non-funded benefit plans 5. Other employee welfare 6. Legal fees and expenses 7. Fees of public accountants and consulting actuaries 8. Traveling expenses 9. Postage, express, telegraph and telephone 10. Printing and stationery 11. Cost or depreciation of furniture and equipment 12. Rental of equipment 13. Books and periodicals 14. Bureau and association fees 15. Insurance, except on real estate 16. Miscellaneous losses	
5. Other employee welfare 6. Legal fees and expenses 7. Fees of public accountants and consulting actuaries 8. Traveling expenses 9. Postage, express, telegraph and telephone 10. Printing and stationery 11. Cost or depreciation of furniture and equipment 12. Rental of equipment 13. Books and periodicals 14. Bureau and association fees 15. Insurance, except on real estate 16. Miscellaneous losses	
6. Legal fees and expenses  7. Fees of public accountants and consulting actuaries  8. Traveling expenses  9. Postage, express, telegraph and telephone  10. Printing and stationery  11. Cost or depreciation of furniture and equipment  12. Rental of equipment  13. Books and periodicals  14. Bureau and association fees  15. Insurance, except on real estate  16. Miscellaneous losses	
7. Fees of public accountants and consulting actuaries  8. Traveling expenses  9. Postage, express, telegraph and telephone  10. Printing and stationery  11. Cost or depreciation of furniture and equipment  12. Rental of equipment  13. Books and periodicals  14. Bureau and association fees  15. Insurance, except on real estate  16. Miscellaneous losses	
8. Traveling expenses  9. Postage, express, telegraph and telephone  10. Printing and stationery  11. Cost or depreciation of furniture and equipment  12. Rental of equipment  13. Books and periodicals  14. Bureau and association fees  15. Insurance, except on real estate  16. Miscellaneous losses	
9. Postage, express, telegraph and telephone  10. Printing and stationery  11. Cost or depreciation of furniture and equipment  12. Rental of equipment  13. Books and periodicals  14. Bureau and association fees  15. Insurance, except on real estate  16. Miscellaneous losses	
11. Cost or depreciation of furniture and equipment  12. Rental of equipment  13. Books and periodicals  14. Bureau and association fees  15. Insurance, except on real estate  16. Miscellaneous losses	
11. Cost or depreciation of furniture and equipment  12. Rental of equipment  13. Books and periodicals  14. Bureau and association fees  15. Insurance, except on real estate  16. Miscellaneous losses	
13. Books and periodicals  14. Bureau and association fees  15. Insurance, except on real estate  16. Miscellaneous losses	
14. Bureau and association fees  15. Insurance, except on real estate  16. Miscellaneous losses	
15. Insurance, except on real estate  16. Miscellaneous losses	
15. Insurance, except on real estate  16. Miscellaneous losses	
	934,388
18. Sundry general expenses	
19. Real estate expenses	, 105 , 549
20. Investment expenses not included elsewhere	,699,168
21. Aggregate write-ins for other investment expenses	
22. Investment expenses incurred	,739,105
Reconciliation with Exhibit 5	
23. Investment expenses unpaid December 31, prior year	,076,909
24. Investment expenses unpaid December 31, current year	,830,681
25. Investment expenses paid during year (Lines 22 + 23 - 24) (to Exhibit 5, Line 12)	3,985,333
DETAILS OF WRITE-INS	
2101.	
2102.	
2103.	
2198. Summary of remaining write-ins for Line 21 from overflow page	
2199. Totals (Lines 2101 thru 2103 plus 2198) (Line 21 above)	

(a) Includes \$ ..... on account of prior service.

# EXHIBIT 2 - INVESTMENT TAXES, LICENSES AND FEES (EXCLUDING FEDERAL INCOME TAXES)

	,	1
		Amount
1.	Real estate taxes	6,490,247
2.	State insurance department fees.	
3.	Other state taxes, including \$ for employee benefits	,
4.	U.S. Social Security taxes	
5.	All other taxes	
6.	Taxes, licenses and fees incurred	6,490,247
Recon	ciliation with Exhibit 5	
7.	Taxes, licenses and fees unpaid December 31, prior year	970,886
8.	Taxes, licenses and fees unpaid December 31, current year	551,934
9.	Taxes, licenses and fees paid during year (Lines 6 + 7 - 8) (to Exhibit 5, Line 13)	6,909,199

# EXHIBIT 3 - AGGREGATE RESERVE FOR LIFE, ANNUITY AND ACCIDENT AND HEALTH CONTRACTS

1	2	3	4
Description of Valuation Basis	Total	Ordinary	Group
0100001. 58 CSO 4.00% Mod CRVM	2,017,780	2,017,780	
0100002. 80 CSO 5.50% CRVM			
0100003. 80 CSO 5.00% CRVM	219,334	219,334	
0100004. 80 CSO 4.50% CRVM			
0100005. 80 CSO 4.00% CRVM	77,080,497	77,080,497	
0100006. 2001 CSO 4.00% CRVM	6, 145, 184	6, 145, 184	
0100007. 80 CSO Account Value	1,909,855,149	206,387,175	1,703,467,974
0100008. 2001 CSO Account Value	33,847,548	31,964,369	1,883,179
0199999. Totals	2,578,667,494	873,316,341	1,705,351,153
0200001. Deferred Annuity 4.75% to 10.00% CARVM	9,371,072,978	9,371,072,978	
0200002. Annuity Reserve	37,412,313,939	31,032,593	37,381,281,346
0200003. Annuity Reserve 1951 to 1970 5.50% GA MBI	49,571		49,571
0200004. Group Home Office and Field Plans	1,579,456,902		1,579,456,902
0299999. Totals	48,362,893,390	9,402,105,571	38,960,787,819
0300001.			
0399999. Totals			
0400001.			
0499999. Totals			
0500001.			
0599999. Totals			
9999999. Totals (to Page 3, Line 1)	50,941,560,884	10,275,421,912	40,666,138,972

## **EXHIBIT 3 - INTERROGATORIES**

1.1	Has the reporting entity ever issued both participating and non-participating variable life insurance contracts?	١	es [	X ]	No	[	]		
2.1	Does the reporting entity at present issue both participating and non-participating variable life insurance contracts?	١	es [	X ]	l No	[	]		
2.2	If not, state which kind is issued								
3.1	Is any surrender value promised in excess of the reserve as legally computed?	Yes [	]	No	[ X ]	N/	/A [		]
3.2	If so, the amount of such excess must be included in surrender values in excess of reserves otherwise required and carried in this schedule. Has this been done?  Attach a statement of methods employed in the valuation of variable life insurance contracts issued at, or subsequently subject to, an extra premium or in the valuation of contracts otherwise issued on lives classified as substandard for the plan of contract issued or on special class lives (including paid-up variable life insurance).	Yes [	]	No	[ ]	N/	'A [	Х	]

## **EXHIBIT 3A - CHANGES IN BASIS OF VALUATION DURING THE YEAR**

(Including supplementary contracts set up on a basis other than that used to determine benefits)

1

Valuation Basis
4
Increase in Actuarial Reserve Due to Changed To

Change

9999999 - Totals (Page 6, Line 5, Analysis of Increase in eserves)

## **EXHIBIT 4 - DEPOSIT TYPE CONTRACTS**

	1	2 Guaranteed	3	4 Supplemental	5 Dividend Accumulations or	6 Premium and Other
	Total	Interest Contracts	Annuities Certain	Contracts	Refunds	Deposit Funds
Balance at the beginning of the year	250,560,622	250,124,286				436,336
Deposits received during the year						
Investment earnings credited to account	1,618,868	1,563,437				55,431
Other net change in reserves	-					
Fees and other charges assessed	776					776
J. Tees and other charges assessed						770
6. Surrender charges						
7. Net surrender or withdrawal payments	1,779,730	1,602,500				177,230
Other net transfer to or (from) general account						
9. Balance at the end of current year (Lines 1+2+3+4-5-6-7-8)	250,398,984	250,085,223				313,761

### **EXHIBIT 5 - RECONCILIATION OF CASH AND INVESTED ASSETS**

1.1 Total Planeties		DEVELOPMENT OF INCREASE IN CASH	1 Amount
1. 1, 19, 42, 20, 2014. The first increase to the fact that is a control to a classification of the product of the control to a classification of the control to the contro	1.		11 750 209 704
2. Department respect department funds and one will be infered and processed and processed and one will be infered and processed and process			
177.025/01   179	2.	** *	
5. Construction consistent of investments received in pattern monocol.         3,50,71,00           7. Tool Carbot 19.0	3.		
1. Oxporage with min for other increases in facts 5 time operations		·	
7. Cost Lunes 19 5) 2月500cc			
S   Transfers from Separate Accounts on securic of contract cleanting   5,056, 88		** *	
1 Clarch bonders			29 ,787 ,828 ,141
2.3 Amount of exchanness   1,15,15,100	9.	·	909 300 0
8 8 Avoid position for control to short the wint is control protection. 8 8 Accident and Verlat The West The West The West Teachers of the Control Section 50 (1998) 8 8 Transfers of reserves (int) 9 8 A Transfers of reserves (int) 9 8 A Transfers of reserves (int) 9 8 A Transfers of reserves (int) 9 9 A Transfers of reserves (int) 9 10 Other transfers from Sections Accounts 10 2 Agringer starts and transfers of the transfers of the Part of the Control Section 50 (1998) 10 Other transfers from Sections Accounts 10 2 Agringer starts and transfers of the Control Section 50 (1998) 11 West Teachers of Control Section 50 (1998) 12 February and the Control Section 50 (1998) 12 February of the Control Section 50 (1998) 13 February of the Control Section 50 (1998) 14 West Teachers (1998) 15 February of the Control Section 50 (1998) 16 February of the Control Section 50 (1998) 16 February of the Control Section 50 (1998) 17 Agriculture of the Control Section 50 (1998) 18 February of the Control Section 50 (1998) 19 February of the Control Section 50			
9.8 Accessed and health benefits 9.8 Accessed now the main of whetherwards for the contracts 9.7 Today basis (with			
Section   Sect			
8-7 Folicy bare (seed)			
3.9 Agancyate write-ins for other treaters from Separate Accounts on account of contract benefits   1.7 Edited income taxes   1.7 Edited income ta			
10.   Dear Transfers from Spearable Accounts   10.1 Feorit microme taxes   12.4 Aggregates write in or for the transfers from Separable Accounts   12.4 Aggregates write in or for the transfers from Separable Accounts   1.74 E8.181   1.17 Aggregates write in or for the transfers from Separable Accounts   1.74 E8.181   1.17 Aggregates write in or for the transfers from Separable Accounts   1.74 E8.181   1.17 Aggregates write in or for the transfers from separable (27.00 to 1.1 Line 28)   1.9 Aggregate write in Separable Accounts   1.9 Aggregate write in Separable Accounts   1.9 Aggregates write in S			
1.1.   Februal Income tabos   (74, 88, 180)   12.   Applicate with- list of their brankers from Separate Accounts   (74, 88, 180)   13.   Withdrawals on espond-tops contract funds and other lisabilities without life or disability contingencies   1, 77, 78, 78, 78, 78, 78, 78, 78, 78, 78	40	** *	
1.74   2.8   4   1.75   2.8   1.75   2.5   1.75   2.5   1.75   2.5   1.75   2.5   1.75   2.5   1.75   2.5   1.75   2.5   1.75   2.	10.	·	
12   Investment expenses (Child 1 f. Lin 25)   3,985,335   3,985			
12.1   Few associated with investment management, administration and contract parameters   \$9.90, 93   \$9.00, 93   \$1.00   \$1.00   \$9.00, 93   \$1.00   \$1.00   \$9.00   \$9.00   \$1.00   \$1.00   \$9.00   \$9.00   \$1.00	11.	Withdrawals on deposit-type contract funds and other liabilities without life or disability contingencies	1,779,730
1.5   Interface traces, increase and fees, evoluting inferral income taxes (Schibbl 2, Line 9)			
1.0   100			
15   Funds from operations (Line 7 minus Line 14)			
1.7.   Agronguist write-ins for other changes in funds	15.		
18. Total funds (includes \$			,
15   Increase in payable for investments acquired, net of receivable for investments sold.   (3,700,400)		Aggregate write-ins for other changes in funds	714 586 505
Decrease in policy loans   185, 480   185,		Increase in payable for investments acquired, net of receivable for investments sold	(9,700,460)
195, 642   20   20   20   20   20   20   20	20.	Decrease in policy loans	
RECONCILATION BETWEEN YEARS		Aggregate write-ins for other reconciling items	(195,486)
2.3 Cash and invested assets, December 31st of prior year	22.		/04,690,559
1.10   1.10	23.		41,206,065,214
25, 167, 418, 270  27. Increase in policy loans			704,690,559
Increase in policy loans.		·	
Accurate of discount less amortization of premium   (31,149)			
Depreciation on real estate and other invested assets		· ·	
Aggregate write-ins for other reconciling items   \$1,595,531,299     22	29.	·	
Cash and invested assets. December 31st of current year   51,599,531,299			
DETALS OF WRITE-INS			
01 202			. ,,
1292   Summary of remaining write-ins for Line 1.2 from overflow page   1,136,642			1,136,642
01.298. Summary of remaining write-ins for Line 1.2 from overflow page         1,136,642           0601.			
01.299. Totals (Lines 01.201 thru 01.203 plus 01.298) (Line 1.2 above)         1,136,642           06002			
0602.   0603.   0608.   Summary of remaining write-ins for Line 6 from overflow page   0699.			
0603.     0608.     0609.     0609.     0609.     0609.     0609.     0609.     0609.     0609.     0609.     0609.     0609.     0609.     0609.     0609.     0609.     0609.     0609.			
Deeps			
Totals (Lines 0601 thru 0603 plus 0698) (Line 6 above)			
09.902			
09 903       09 998. Summary of remaining write-ins for Line 9.9 from overflow page       99.999. Totals (Lines 09.901 thru 09.903 plus 09.998) (Line 09.9 above)         10.201. Real estate notes receivable       1,704,536         10.202. Change in prepaid expenses       1,88,484         10.203. Receivable from hotel operations       1,53,739         10.299. Totals (Lines 10.201 thru 10.203 plus 10.298) (Line 10.2 above)       (74,838,189)         1701.			
09.998. Summary of remaining write-ins for Line 9.9 from overflow page			
09.999   Totals (Lines 09.901 thru 09.903 plus 09.998) (Line 09.9 above)   10.201   Real estate notes receivable   1.704,536   1.684,848   10.202   Receivable from hotel operations   1.63,739   10.298   Summary of remaining write-ins for Line 10.2 from overflow page   (.76,864,948)   10.299   Totals (Lines 10.201 thru 10.203 plus 10.298) (Line 10.2 above)   (.74,838,189)   1701   1701   1702   1703   1703   1703   1703   1704   1705   17			
10.202. Change in prepaid expenses       168,484         10.203. Receivable from hotel operations       153,739         10.298. Summary of remaining write-ins for Line 10.2 from overflow page       (76,864,948)         10.299. Totals (Lines 10.201 thru 10.203 plus 10.298) (Line 10.2 above)       (74,838, 189)         1701.          1702.          1703.          1799. Totals (Lines 1701 thru 1703 plus 1798) (Line 17 above)          2101. Foreign currency loss          2102.          2103.          2198. Summary of remaining write-ins for Line 21 from overflow page          2198. Summary of remaining write-ins for Line 21 from overflow page          2199. Totals (Lines 2101 thru 2103 plus 2198) (Line 21 above)       (195,486)         3101.          3102.          3103.          3104.          3105.       Summary of remaining write-ins for Line 31 from overflow page			
10.203. Receivable from hotel operations       153,739         10.298. Summary of remaining write-ins for Line 10.2 from overflow page       (76,864,948)         10.299. Totals (Lines 10.201 thru 10.203 plus 10.298) (Line 10.2 above)       (74,838,189)         1701.			
10.298. Summary of remaining write-ins for Line 10.2 from overflow page       (76,864,948)         10.299. Totals (Lines 10.201 thru 10.203 plus 10.298) (Line 10.2 above)       (74,838,189)         1701.			· ·
10.299. Totals (Lines 10.201 thru 10.203 plus 10.298) (Line 10.2 above)       (74,838,189)         1701.		·	
1702.		· · · · · · · · · · · · · · · · · · ·	
1703.			
1798. Summary of remaining write-ins for Line 17 from overflow page       1799. Totals (Lines 1701 thru 1703 plus 1798) (Line 17 above)         2101. Foreign currency loss       (195,486)         2102. 2103. 2198. Summary of remaining write-ins for Line 21 from overflow page       2199. Totals (Lines 2101 thru 2103 plus 2198) (Line 21 above)       (195,486)         3101. 3102. 3103. 3108. Summary of remaining write-ins for Line 31 from overflow page       2 manual control of thru 2103 plus 2198 (Line 21 above)       (195,486)         3108. Summary of remaining write-ins for Line 31 from overflow page       2 manual control of thru 2103 plus 2198 (Line 21 above)       3103. 3103. 3108. Summary of remaining write-ins for Line 31 from overflow page			
1799. Totals (Lines 1701 thru 1703 plus 1798) (Line 17 above)       (195,486)         2101. Foreign currency loss       (195,486)         2102			
2101. Foreign currency loss       (195,486)         2102.			
2103.       2198.       Summary of remaining write-ins for Line 21 from overflow page.       (195,486)         2199.       Totals (Lines 2101 thru 2103 plus 2198) (Line 21 above)       (195,486)         3101.       3102.       3103.         3103.       3198.       Summary of remaining write-ins for Line 31 from overflow page.	2101.	Foreign currency loss	
2198. Summary of remaining write-ins for Line 21 from overflow page.       (195,486)         2199. Totals (Lines 2101 thru 2103 plus 2198) (Line 21 above)       (195,486)         3101.       (195,486)         3102.       (195,486)         3103.       (195,486)         3104.       (195,486)         3105.       (195,486)         3106.       (195,486)         3107.       (195,486)         3108.       (195,486)         3198.       (195,486)	-		
2199. Totals (Lines 2101 thru 2103 plus 2198) (Line 21 above)       (195,486)         3101.			
3101			(195,486)
3103. Summary of remaining write-ins for Line 31 from overflow page			
3198. Summary of remaining write-ins for Line 31 from overflow page			
, · · · · · · · · · · · · · · · · · · ·			

## **EXHIBIT 6 - GUARANTEED INSURANCE AND ANNUITY PRODUCTS**

	1	2
	Amount	Percent of Total
Aggregate reserve for life, annuity and accident and health contracts (Included in Exhibit 3):		
1.1 Life insurance		
1.2 Annuities		
1.3 Supplementary contracts with life contingencies		
1.4 Accident and health		
1.5 Miscellaneous reserves		
1.6 Total		
2. Liability for deposit-type contracts (included in Exhibit 4):		
2.1 Guaranteed interest contracts	250,085,223	0
2.2 Annuities certain		
2.3 Supplemental contracts		
2.4 Dividend accumulations or refunds		
2.5 Premium and other deposit funds		
2.6 Total	250,085,223	0
3. Other liabilities (included in Page 3, Lines 4, 10, 13 & 14)		
4. Total liabilities associated with guarantees (Lines 1.6 + 2.6 + 3)	250,085,223	0
Total liabilities not associated with guarantees	52,081,299,628	99
6. Total Separate Accounts liabilities (Lines 4 + 5 = Page 3, Line 17)	52,331,384,851	100.0%

#### **GENERAL INTERROGATORIES**

#### **Product Mix**

1. Identify the product types in the separate account, quantify the assets associated with those products and indicate if there are any guarantees associated with those products:

1	2	3
		Guarantees
		Associated with
	Separate Account	the Product
Product Identifier	Assets	Yes/No
Non-guaranteed Retirement Services SIAs	26,437,256,504	NO
Separate Account Guaranteed Interest Contract	12,366,084,713	YES
Individual Variable Annuity	9,622,171,178	YES
Stable Value Bank-owned Life Insurance	1,824,683,347	YES
Individual Variable Universal Life		YES
Capital Preservation	486,660,117	YES
Alpha-Backed Note Separate Account	334,742,588	YES
Corporate-owned Life Insurance	157,371,282	YES
Cornerstone Hotel Income Equity Fund	145,578,814	NO
Group Variable Universal Life	52,351,842	YES
Individual Immediate Variable Annuity	22,226,390	YES
Supplemental Account	10,306,589	NO
Included in the Separate Account Assets total are six contracts totaling \$24		
million that are non-insulated, exclusive of seed money and unsettled fees and		
expenses. Total MassMutual separate account assets are \$52 billion at 12/31/12.		
These six non-insulated contracts represent 0.0005% of MassMutual's separate		
account balance at 12/31/12. Given the immateriality of the balances, we are		
disclosing the existence of these six non-insulated contracts, but are not		
preparing a separate green book blank.		
Totals	52,340,206,257	XXX

Canarata	Account	Products	with Can	Aral Acac	unt Cuara	

2.1	Does the reporting entity have products with guarantees provided by the general account?	Yes	[ X	]	No [	]
2.2	If yes, what is the current total maximum guarantee the general account would provide to the separate account?\$			6	61,44	44,279
2.3	Has the separate account collected amounts from the general account within the past five years related to separate account guarantees?	Yes	[ X	]	No [	]
2.4	If yes, provide detail on these guarantees paid by the general account:					

	1	2
	Year	Amount
2.401	As of December 31, 2012	\$ 5,202,041
2.402	As of December 31, 2011	\$ 103,553,395
2.403	As of December 31, 2010	\$ 3,292,992
2.404	As of December 31, 2009	\$ 
2.405	As of December 31, 2008	\$ 

To compensate the general account for the risk taken, for any separate account products with general account guarantees, does the separate account remit risk charges to the general account related to separate account guarantees? 2.5 Yes [ X ] No [ ]

If yes, identify the separate account products with risk charges that are remitted to the general account and whether the risk charge for that product is reviewed and opined upon:

1	2	3
		Name and Title of Individual who Provided
Product Identifier with Risk Charges	Risk Charge Reviewed and Opined Upon	Opinion on Risk Charges
Capital Preservation	Yes	Isadore Jermyn, SVP and Chief Actuary
Separate Account Guaranteed Interest Contract	Yes	Isadore Jermyn, SVP and Chief Actuary
	No; the risk charges associated with this product	
	are reviewed for reasonableness and accuracy by	
	the appropriate actuary, but no formal opinion on	
	these product risk charges is required by the NAIC.	
Individual Immediate Variable Annuity		
*	No; the risk charges associated with this product	
	are reviewed for reasonableness and accuracy by	
	the appropriate actuary, but no formal opinion on	
	these product risk charges is required by the NAIC.	
Individual Variable Annuity	The product from sharges to required by the little.	
Individual variable milatty	<b>-</b>	

2.7 Provide detail on the risk charges paid to the general account related to separate account guarantees for the past five years:

1	2
Year	Amount
2.701 As of December 31, 2012	\$ 59,634,146
2.702 As of December 31, 2011	\$ 48,728,912
2.703 As of December 31, 2010	\$ 41,990,792
2.704 As of December 31, 2009	\$ XXX
2.705 As of December 31, 2008	\$ XXX

Investment	Directive of	Separate	Account	Activity

3.1	Does the reporting entity have products classified within the separate account for which the investment directive is not determined by the
	contract holder? (Situations in which the investments directive mirrors the general account would not be considered determined by the
	contract holder; however, having the contract holder select an investment direction from multiple options would meet this criteria.)

ſ	1	Nο	Γ	Υ	1	N/A	Γ	1

Yes [ X ] No [ ]

3.2 If yes, if these investments would have been included in the general account, would the reporting entity have exceeded the investment limitations imposed on the general account?

Yes [ ] No [ X ] N/A	] ۱	]
----------------------	-----	---

## **GENERAL INTERROGATORIES**

Provide detail on the separate account investment portfolio and state investment limitations. (This includes the combined separate account and general investments, excluding separate account assets with investment direction determined by the contract holder):

1	2	3
		Combined
	State Investment	Investment (Separate
Investment Type	Limitation	and General Account)

	Investment Type		State Investn Limitation	nent Investmen and Gener	t (Separate ral Account)		
4.1	on of Investment Proceeds of Separate Account Activity  Does the reporting entity have separate account assets in which le assessments) are attributed to a contract holder? (This should ide results.)  If yes, provide detail on the net investment proceeds that were attri	ss than 100% of inventify any situations	restment proceeds where there is a c	s (net of contract fe eiling on investme	es and nt performance	Yes [ X ] No	[ ]
7.2	reinvested within the separate account:	batea to the contra	or noider, transferre	ed to the general d	ocount and		
	1	2 Net Investment	3 Attributed to	4 Transferred to General	5 Reinvested Within the Separate		
	Product Identifier	Proceeds	Contract Holder	Account	Account		
	Non-guaranteed Retirement Services SIAs			3,043			
	Separate Account Guaranteed Interest Contract	370,914,906	370,914,847	7	52		
	Capital Preservation	12,018,916	12,018,946				
	Alpha-Backed Note Separate Account	10,966,497	1,563,436		9,403,061		
	Supplemental Account						
4.5	directives of the general account?  If no, does the reporting entity have a stated policy and procedure account?  Did the reinvestment of investment proceeds within the separate a portfolio that exceeded the state investment limitations imposed coment of Separate Account Assets  Does the reporting entity report all separate account assets at fair	for the reinvestmen ccount result with the on the general accord	t of investment pro	g a combined inves	eparate Yes	[ X ] No [ ] N,	/A [ ]
5.2	For items not reported at fair value, does the reporting entity report measurement methods?	separate account a	assets at amortized	d cost, and/or unde	er different		
							-
			5.22	Other Measuremer	nt Methods	Yes [ ] No	[ X ]
5.3	If other measurement methods are used, provide explanation on th						
5.4	Identify the assets measured at fair value, amortized cost or another assets measured under each measurement method:	er measurement me	ethod and the perc	entage of separate	account		
		1		2			
	Description						
	Description 5.41 Fair Value	\$52,340	),206,257	100.0 %			
	5.42 Amortized Cost						
	5.43 Other Measurement Methods	\$		%			

5.5 For the assets not measured at fair value, provide a comparison of the reported value to current fair value and identify the unrealized gain or loss that would have been recorded if the assets had been reported at fair value:

1 Assets Held at	2	3 Unrecorded Unrealized
Amortized Cost	Fair Value	Gain/Loss
5.51 \$	\$	\$
		•

	1	2	3
	Assets Held at		
	Other Measurement		Unrecorded Unrealized
	Method	Fair Value	Gain/Loss
E E2	¢	¢	¢

## **GENERAL INTERROGATORIES**

Securit 6.1	ies Lending Transactions Within Separate Accounts  Does the reporting entity engage in securities lending transactions with separate account assets?	
6.2	If yes, does the reporting entity have written policies and procedures for such transactions?	Yes [ ] No [ ] N/A [ X ]
6.3	Does the reporting entity obtain approval, or otherwise provide notification to contract holders, regarding securities lending transactions that occur with separate account assets?	Yes [ ] No [ ] N/A [ X ]
6.4	Are all securities lending transactions reported on balance sheet?	Yes [ ] No [ ] N/A [ X ]
6.5	Provide a description of the reporting entity's securities lending transaction program, specifically identifying any variations from the securi lending transaction program administered by the general account.	ities
6.6	Provide detail on the current status of separate account transactions by separate account product: 6.61 Amount of any loaned securities within the separate account and the percentage of separate account assets lent	
		\$
		%
	6.62 Identify whether securities lent are reported at book value or market value	<b>C</b>
		\$\$ \$
	6.63 Detail on collateral received:	Ψ
	6.631 Aggregate Amount Collateral Received	
		\$
	6.6312.30 Days of Less	\$ \$
		\$
	·	/S\$
	•	eived\$
	6.632 The aggregate fair value of all securities acquired from the sale, trade or use of the accepted collateral (reinvested collateral)  6.633 Narrative discussion about sources and uses of collateral:  6.634 Collateral for transactions that extend beyond one year from the reporting date  6.634 Collateral for transactions that extend beyond one year from the reporting date	
6.7	For the reporting entity's security lending program state the amount of the following as December 31 of the current year:	
	6.71 Total fair value of reinvested collateral assets reported on Schedule DL, Parts 1 and 2 (Sum of Schedule DL, Parts and 2, Column 5)	
	6.72 Total book adjusted/carrying value of reinvested collateral assets reported on Schedule DL, Parts 1 and 2 (Sum of Schedule DL, Parts 1 and 2, Column 6)	
	6.73 Total payable for securities lending reported on the liability page (Page 3, Line 14, Column 3)	
<b>FHLB F</b> 7.1	unding Agreements  Does the reporting entity report Federal Home Loan Bank (FHLB) funding agreements within the separate account?	
7.2	Provide detail on the elements that support the classification of FHLB funding agreements within the separate account	
7.3	Provide detail regarding the FHLB funding agreements classified within the separate account:	
	1 2 3 4 Amount of FHLB Amount of Collateral Stock Purchased or Pledged to the Owned FHLB Currently Available Agreements	
	\$ \$	
7.4	For funding agreements within the separate account, provide a general description on the nature of the agreement, type of funding (lines credit, borrowed money, etc) and intended use of funding.	of

#### **GENERAL INTERROGATORIES**

	rting Differences Between GAAP and SAP Financial Statements (This disclosure is applicable to all reporting entities regardless if they GAAP financial statements)								
8.1	Does the reporting entity file GAAP financial statements?		Yes [	]	No [ X	]			
8.2	In accordance with the different separate account reporting requirements between GAAP (SOP 03-1) and statutory accounting, does the reporting entity have products that are classified within the separate account that were, or would have been if GAAP financial statements had been completed, required to be reported within the general account under GAAP financials? Pursuant to SOP 03-1, all of the following conditions must be met to receive separate account reporting classification under GAAP:	Yes [ X ]	No [	]	N/A [	]			
	a. Legal Recognition - The separate account is legally recognized. That is, the separate account is established, approved, and regulat	ed							

- a. Legal Recognition The separate account is legally recognized. That is, the separate account is established, approved, and regulated
  under special rules such as state insurance laws, federal securities laws, or similar foreign laws.
- b. Legally Insulated The separate account assets supporting the contract liabilities are legally insulated from the general account liabilities
  of the insurance enterprise (that is, the contract holder is not subject to insurer default risk to the extent of the assets held in the
  separate account).
- c. Investment Directive The insurer must, as a result of contractual, statutory, or regulatory requirements, invest the contract holder's funds within the separate account as directed by the contract holder in designated investment alternatives or in accordance with specific investment objectives or policies.
- d. Investment Performance All investment performance, net of contract fees and assessments, must as a result of contractual, statutory, or regulatory requirements be passed through to the individual contract holder. Contracts may specify conditions under which there may be a minimum guarantee, but not a ceiling, as a ceiling would prohibit all investment performance from being passed through to the contract holder.
- 8.3 Identify all separate account products and identify whether each product was classified within a separate account for GAAP reporting purposes. (For non-GAAP filers, this disclosure should reflect whether the GAAP classification would have been the same if GAAP financials had been completed.) For products that were (or would have been) reported differently, identify which SOP 03-1 condition prevented separate account GAAP classification for that particular product.

1	2
	Same as GAAP / Condition that Requires GAAP General
Product Identifier	Account Reporting
Alpha-Backed Note Separate Account	GAAP GIA classification due to investment performance
Capital Preservation	GAAP GIA classification due to investment performance
Separate Account Guaranteed Interest Contract	GAAP GIA classification due to investment performance
Stable Value Bank-owned Life Insurance	GAAP GIA classification due to investment performance
Supplemental Account	GAAP GIA classification due to investment performance
Cornerstone Hotel Income Equity Fund	Same as GAAP
Corporate-owned Life Insurance	Same as GAAP
Group Variable Universal Life	
Individual Immediate Variable Annuity	Same as GAAP
Individual Variable Annuity	Same as GAAP
Individual Variable Universal Life	Same as GAAP
Non-guaranteed Retirement Services SIAs	Same as GAAP
•	

# Interest Maintenance Reserve NONE

Interest Maintenance Reserve - Amortization  ${\sf N} \; {\sf O} \; {\sf N} \; {\sf E}$ 

Asset Valuation Reserve - Default Component NONE

Asset Valuation Reserve - Equity Component NONE

Asset Valuation Reserve Replications (Synthetic) Assets NONE

## **OVERFLOW PAGE FOR WRITE-INS**

Additional Write-ins for Assets Line 16

Additional Ville inc for 7 locate Eine fo								
		Current Year						
	1	1 2 3						
	General Account	Fair Value	Total					
	Basis	Basis	(Cols. 1 + 2)	Total				
1604. Foreign income tax recoverable		6,378	6,378	4,253				
1605. Receivable hedge fund reserves				945,079				
1697. Summary of remaining write-ins for Line 16 from overflow page		6,378	6,378	949,332				

Additional Write-ins for Exhibit 5 Line 10.2	
	1
	Amount
10.204. Miscellaneous income / loss	6,522
10.205. Foreign income tax recoverable	2,125
10.206. Receivable hedge fund reserves	(945,079)
10.207. Change in other transfers to general account due or accrued	(1,126,797)
10.208. Change in derivative premiums	(12,726,121)
10.209. Change in remittances and items not allocated	(62,075,598)
10.297. Summary of remaining write-ins for Line 10.2 from overflow page	(76,864,948)

## **SCHEDULE A - VERIFICATION BETWEEN YEARS**

Real Estate

1.	Book/adjusted carrying value, December 31 of prior year		128,670,891
2.			
	2.1 Actual cost at time of acquisition (Part 2, Column 6)		
	2.2 Additional investment made after acquisition (Part 2, Column 9)	,730,938	14,730,938
3.	Current year change in encumbrances:		
	3.1 Totals, Part 1, Column 13	,276,804	
	3.2 Totals, Part 3, Column 11		1,276,804
4.	Total gain (loss) on disposals, Part 3, Column 18		(4,792,483)
5.	Deduct amounts received on disposals, Part 3, Column 15		56,345,800
6.	Total foreign exchange change in book/adjusted carrying value:		
	6.1 Totals, Part 1, Column 15		
	6.2 Totals, Part 3, Column 13		
7.	Deduct current year's other than temporary impairment recognized:		
	7.1 Totals, Part 1, Column 12		
	7.2 Totals, Part 3, Column 10		
8.	Deduct current year's depreciation:		
	8.1 Totals, Part 1, Column 11		
	8.2 Totals, Part 3, Column 9	.,969,278)	(16,626,390)
9.	Book/adjusted carrying value at the end of current period (Lines 1+2+3+4-5+6-7-8)		100 , 166 , 740
10.	Deduct total nonadmitted amounts		
11.	Statement value at end of current period (Line 9 minus Line 10)		100 , 166 , 740

## **SCHEDULE B - VERIFICATION BETWEEN YEARS**

Mortgage Loans

1.	Book value/recorded investment excluding accrued interest, December 31 of prior year		4,545,735
2.	Cost of acquired:		
	2.1 Actual cost at time of acquisition (Part 2, Column 7)		
	2.2 Additional investment made after acquisition (Part 2, Column 8)		
3.	Capitalized deferred interest and other:		
	3.1 Totals, Part 1, Column 12		
	3.2 Totals, Part 3, Column 11		
4.	Accrual of discount		
5.	Unrealized valuation increase (decrease):		
	5.1 Totals, Part 1, Column 9	56,972	
	5.2 Totals, Part 3, Column 8		56,972
6.	Total gain (loss) on disposals, Part 3, Column 18		(2,048)
7.	Deduct amounts received on disposals, Part 3, Column 15		534 , 130
8.	Deduct amortization of premium and mortgage interest points and commitment fees		
9.	Total foreign exchange change in book value/recorded investment excluding accrued interest:		
	9.1 Totals, Part 1, Column 13		
	9.2 Totals, Part 3, Column 13		
10.	Deduct current year's other than temporary impairment recognized:		
	10.1 Totals, Part 1, Column 11		
	10.2 Totals, Part 3, Column 10		
11.	Book value/recorded investment excluding accrued interest at end of current period (Lines 1+2+3+4+5+6-7-8+9-10)		4,066,529
12.	Total valuation allowance		
13.	Subtotal (Line 11 plus 12)		4,066,529
14.	Deduct total nonadmitted amounts		
15.	Statement value of mortgages owned at end of current period (Line 13 minus Line 14)		4,066,529

## **SCHEDULE BA - VERIFICATION BETWEEN YEARS**

Other Long-Term Invested Assets

1.	Book/adjusted carrying value, December 31 of prior year		350,778,780
2.	Cost of acquired:		
	2.1 Actual cost at time of acquisition (Part 2, Column 8)	.3,366,397	
	2.2 Additional investment made after acquisition (Part 2, Column 9)	32,576,381	35,942,778
3.	Capitalized deferred interest and other:		
	3.1 Totals, Part 1, Column 16		
	3.2 Totals, Part 3, Column 12		
4.	Accrual of discount		
5.	Unrealized valuation increase (decrease):		
	5.1 Totals, Part 1, Column 13	26,915,103	
	5.2 Totals, Part 3, Column 9	.7,448,870	34,363,973
6.	Total gain (loss) on disposals, Part 3, Column 19		(13,815,723)
7.	Deduct amounts received on disposals, Part 3, Column 16		21,233,185
8.	Deduct amortization of premium and depreciation		
9.	Total foreign exchange change in book/adjusted carrying value:		
	9.1 Totals, Part 1, Column 17		
	9.2 Totals, Part 3, Column 14		
10.	Deduct current year's other than temporary impairment recognized:		
	10.1 Totals, Part 1, Column 15		
	10.2 Totals, Part 3, Column 11		
11.	Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5+6-7-8+9-10)		386,036,623
12.	Deduct total nonadmitted amounts		
13.	Statement value at end of current period (Line 11 minus Line 12)		386,036,623

## **SCHEDULE D - VERIFICATION BETWEEN YEARS**

Bonds and Stocks

1.	Book/adjusted carrying value, December 31 of prior year		38,565,956,351
2.	Cost of bonds and stocks acquired, Part 3, Column 7		
3.	Accrual of discount		
4.	Unrealized valuation increase (decrease):		
	4.1. Part 1, Column 12	,698	
	4.2. Part 2, Section 1, Column 15	,000	
	4.3. Part 2, Section 2, Column 132,697,613	,372	
	4.4. Part 4, Column 11(246,459		2,632,666,716
5.	Total gain (loss) on disposals, Part 4, Column 19		782,946,307
6.	Deduction consideration for bonds and stocks disposed of, Part 4, Column 7		23,956,375,960
7.	Deduct amortization of premium		
8.	Total foreign exchange change in book/adjusted carrying value:		
	8.1. Part 1, Column 15(276	,251)	
	8.2. Part 2, Section 1, Column 19		
	8.3. Part 2, Section 2, Column 16	, 162	
	8.4. Part 4, Column 15	,809	214,720
9.	Deduct current year's other than temporary impairment recognized:		
	9.1. Part 1, Column 14		
	9.2. Part 2, Section 1, Column 17		
	9.3. Part 2, Section 2, Column 14		
	9.4. Part 4, Column 13		
10.	Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9)		47,984,541,285
11.	Deduct total nonadmitted amounts		
12.	Statement value at end of current period (Line 10 minus Line 11)		47,984,541,285

## **SCHEDULE D - SUMMARY BY COUNTRY**

Long-Term Bonds and	OtI OMANIED	N D 04	- f O
I ONG-TERM RONGS and	STOCKS UVVINIEL	) December 31 (	nt Clirrent Year

Long-Term Bonds and Stocks OWNED December 31 of Current Year								
			1 Book/Adjusted	2	3	4		
	escription	on	Carrying Value	Fair Value	Actual Cost	Par Value of Bonds		
BONDS	1.	United States		3,668,526,870	3,656,998,405	3,523,952,731		
Governments	2.	Canada	8,251,464	8,251,464	7,718,238	6,407,774		
(Including all obligations guaranteed	3.	Other Countries	92,573,398	92,573,398	81,843,436	77,399,653		
by governments)	4.	Totals	3,769,351,732	3,769,351,732	3,746,560,079	3,607,760,158		
U.S. States, Territories and Possessions								
(Direct and guaranteed)	5.	Totals	39,295,423	39,295,423	34,758,989	32,575,000		
U.S. Political Subdivisions of States, Territories and Possessions (Direct and guaranteed)	6.	Totals	9,577,092	9,577,092	7,866,498	9,445,000		
U.S. Special revenue and special assessment obligations and all non-guaranteed obligations of agencies and authorities of governments and								
their political subdivisions	7.	Totals	1,487,877,281	1,487,877,281	1,466,071,219	1,383,047,967		
	8.	United States	5,784,541,961	5,784,541,961	5,575,463,143	5,364,052,704		
Industrial and Miscellaneous and	9.	Canada	105,267,674	105,267,674	99,685,216	95,063,910		
Hybrid Securities (unaffiliated)	10.	Other Countries	807,217,885	807,217,885	777,326,810	743,802,013		
	11.	Totals	6,697,027,520	6,697,027,520	6,452,475,169	6,202,918,627		
Parent, Subsidiaries and Affiliates	12.	Totals						
	13.	Total Bonds	12,003,129,048	12,003,129,048	11,707,731,954	11,235,746,752		
PREFERRED STOCKS	14.	United States	3,062,500	3,062,500	1,790,335			
Industrial and Miscellaneous	15.	Canada						
(unaffiliated)	16.	Other Countries						
	17.	Totals	3,062,500	3,062,500	1,790,335			
Parent, Subsidiaries and Affiliates	18.	Totals						
	19.	Total Preferred Stocks	3,062,500	3,062,500	1,790,335			
COMMON STOCKS	20.	United States	35,955,327,574	35,955,327,574	32,403,339,790			
Industrial and Miscellaneous	21.	Canada	3,597,864	3,597,864	2,901,013			
(unaffiliated)	22.	Other Countries	19,424,299	19,424,299	17,819,806			
	23.	Totals	35,978,349,737	35,978,349,737	32,424,060,609			
Parent, Subsidiaries and Affiliates	24.	Totals						
	25.	Total Common Stocks	35,978,349,737	35,978,349,737	32,424,060,609			
	26.	Total Stocks	35,981,412,237	35,981,412,237	32,425,850,944			
	27.	Total Bonds and Stocks	47,984,541,285	47,984,541,285	44,133,582,898			

## **SCHEDULE DA - VERIFICATION BETWEEN YEARS**

Short-Term Investments

Short-reith investing	CITES	_		T.	1
	1	2	3	4	5
				Other Short-term	Investments in Parent,
	Total	Bonds	Mortgage Loans	Investment Assets (a)	Subsidiaries and Affiliates
Book/adjusted carrying value, December 31 of prior year	254,001,771	254,001,771			
1. Doolvadjusted carrying value, December of or prior year	1	201,001,771			
	0 400 700 000	0 400 700 000			
Cost of short-term investments acquired	2,482,786,006	2,482,786,006			
Accrual of discount	36,726	36,726			
	,	•			
4. Unrealized valuation increase (decrease)					
4. Unrealized valuation increase (decrease)	-				
5. Total gain (loss) on disposals	(295,616)	(295,616)			
Deduct consideration received on disposals	2,105,501,024	2,105,501,024			
0. Deduct consideration received on disposals	1 100,001,024				
	20, 450	22, 452			
7. Deduct amortization of premium	82,459	82,459			
Total foreign exchange change in book/adjusted carrying value					
a. But de code alle the three transfers described					
Deduct current year's other than temporary impairment recognized	<del>-</del>				
10. Book adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9)	630,945,404	630,945,404			
11. Deduct total nonadmitted amounts					
11. Deduct total nonadmitted amounts				<b></b>	
12. Statement value at end of current period (Line 10 minus Line 11)	630,945,404	630,945,404			

<sup>(</sup>a) Indicate the category of such assets, for example, joint ventures, transportation equipment:

### **SCHEDULE DB - PART A - VERIFICATION BETWEEN YEARS**

Options, Caps, Floors, Collars, Swaps and Forwards

1.	Book/adjusted carrying value, December 31, prior year (Line 9, prior year)		153,363,799
2.	Cost paid/(consideration received) on additions:		
	2.1 Current year paid/(consideration received) at time of acquisition, still open, Section 1, Column 12	2,721,097	
	2.2 Current year paid/(consideration received) at time of acquisition, terminated, Section 2, Column 14	2,341,044	5,062,141
3.	Unrealized valuation increase/(decrease):		
	3.1 Section 1, Column 17	(24,099,663)	
	3.2 Section 2, Column 19	(114, 131, 208)	(138,230,870)
4.	Total gain (loss) on termination recognized, Section 2, Column 22		165,886,954
5.	Considerations received/(paid) on terminations, Section 2, Column 15		183,675,214
6.	Amortization:		
	6.1 Section 1, Column 19		
	6.2 Section 2, Column 21		
7.	Adjustment to the book/adjusted carrying value of hedged item:		
	7.1 Section 1, Column 20		
	7.2 Section 2, Column 23		
8.	Total foreign exchange change in book/adjusted carrying value:		
	8.1 Section 1, Column 18	(167,726)	
	8.2 Section 2, Column 20	349,489	181,763
9.	Book/adjusted carrying value at end of current period (Lines 1+2+3+4-5+6+7+8)		2,588,571
10.	Deduct nonadmitted assets		
11.	Statement value at end of current period (Line 9 minus Line 10)		2,588,571

## **SCHEDULE DB - PART B - VERIFICATION BETWEEN YEARS**

Futures Contracts

1.	Book/adjusted carrying value, December 31 of prior year			
2.	Net cash deposits (Section 1, Broker Name/Net Cash Deposits Footnote)			
3.1	Change in variation margin on open contracts:			
	3.11 Section 1, Column 15, current year minus		168,305	
	3.12 Section 1, Column 15, prior year		432,540	(264,235)
3.2	Add:			
	Change in adjustment to basis of hedged item:			
	3.21 Section 1, Column 17, current year to date minus			
	3.22 Section 1, Column 17, prior year			
	Change in amount recognized:			
	3.23 Section 1, Column 16, current year to date minus	168,305		
	3.24 Section 1, Column 16, prior year	432,540	(264,235)	(264,235)
3.3	Subtotal (Line 3.1 minus Line 3.2)			
4.1	Variation margin on terminated contracts during the year (Section 2, Column 16)		1,264,217	
4.2:	Less:			
	4.21 Amount used to adjust basis of hedged item (Section 2, Column 17)			
	4.22 Amount recognized (Section 2, Column 16)	1,264,217	1,264,217	
4.3	Subtotal (Line 4.1 minus Line 4.2)			
5.	Dispositions gains (losses) on contracts terminated in prior year:			
	5.1 Recognized			
	5.2 Used to adjust basis of hedged items			
6.	Book/adjusted carrying value at end of current period (Lines 1+2+3.3-4.3-5.1-5.2)			
7.	Deduct total nonadmitted amounts			
8.	Statement value at end of current period (Line 6 minus Line 7)			

## **SCHEDULE DB - PART C - SECTION 1**

Replication (Synthetic Asset) Transactions Open as of December 31 of Current Year

	replication (a) harden record in the record of the record of the contract of t														
Replication (Synthetic Asset) Transactions							Components of the Replication (Synthetic Asset) Transactions								
1	2	3	4	5	6 _	7_	8		Instrument(s) Oper	า		Casi	h Instrument(s) Held		
		NAIC Designation or Other	Notional	Book/Adjusted Carrying		L'ect e	Maturity	9	10 Deok/Adjusted Carrying	11	12	13	14 NAIC Designation or Other	15 Book/Adjusted Carrying	16
Number	Description	Description	Amount	Value	Fair Value	7 4	Date	Des i ion	Value	Fair Value	CUSIP	Description	Description	Value	Fair Value
								1							
9999999 - Totals	•					XXX	XXX	XXX			XXX	XXX	XXX		

## **SCHEDULE DB - PART C - SECTION 2**

Replication (Synthetic Asset) Transactions Open

			'							
	First Quarter		Second Quarter		Third Quarter		Fourth Quarter		Year To Date	
	1 Number of Positions	2 Total Replication (Synthetic Asset) Transactions Statement Value	3 Number of Positions	4 Total Replication (Synthetic Asset) Transactions Statement Value	5 Number of Positions	6 Total Replication (Synthetic Asset) Transactions Statement Value	7 Number of Positions	8 Total Replication (Synthetic Asset) Transactions Statement Value	9 Number of Positions	10 Total Replication (Synthetic Asset) Transactions Statement Value
Beginning Inventory	1	3,971,022							1	3,971,022
Add: Opened or Acquired Transactions										
Add: Increases in Replication (Synthetic Asset)     Transactions Statement Value	xxx									
Less: Closed or Disposed of Transactions	1	3,971,022							1	3,971,022
Less: Positions Disposed of for Failing Effectiveness     Criteria										
Less: Decreases in Replication (Synthetic Asset)     Transactions Statement Value	XXX									
7. Ending Inventory										

## **SCHEDULE DB - VERIFICATION**

Verification of Book/Adjusted Carrying Value, Fair Value and Potential Exposure of all Open Derivative Contracts

		Book/Adjusted Carrying	Value Check
1.	Part A, Section 1, Column 14	2,588,571	
2.	Part B, Section 1, Column 14		
3.	Total (Line 1 plus Line 2)		2,588,571
4.	Part D, Column 5	9,448,151	
5.	Part D, Column 6	(6,859,580)	
6.	Total (Line 3 minus Line 4 minus Line 5)		
		Fair Value Ch	eck
7.	Part A, Section 1, Column 16	2,588,571	
8.	Part B, Section 1, Column 13		
9.	Total (Line 7 plus Line 8)		2,588,571
10.	Part D, Column 8	9,448,151	
11.	Part D, Column 9	(6,859,580)	
12	Total (Line 9 minus Line 10 minus Line 11)	<u></u>	
		Potential Exposure	e Check
13.	Part A, Section 1, Column 21	625,252,613	
14.	Part B, Section 1, Column 19	4,350,900	
15.	Part D, Column 11	629,603,514	
16.	Total (Line 13 plus Line 14 minus Line 15)		

## **SCHEDULE E - VERIFICATION BETWEEN YEARS**

(Cash Equivalents) 2 3 Other (a) Total Bonds ...1,715,402,700 ...1,715,402,700 1. Book/adjusted carrying value, December 31 of prior year ... 2. Cost of cash equivalents acquired .... 102,625,549,370 102,625,549,370 ...14,584 ....14,584 Accrual of discount. Unrealized valuation increase (decrease) ....25,109 Total gain (loss) on disposals .101,913,183,730 Deduct consideration received on disposals .101,913,183,730 7. Deduct amortization of premium. 8. Total foreign exchange change in book/adjusted carrying value ... Deduct current year's other than temporary impairment recognized . 10. Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9) ... 2,427,808,033 \_2,427,808,033 Deduct total nonadmitted amounts.

2,427,808,033

2,427,808,033

Statement value at end of current period (Line 10 minus Line 11)

(a) Indicate the category of such assets, for example, joint ventures, transportation equipment: