

# Sony Life NEWS RELEASE

May 27, 2011 Sony Life Insurance Co., Ltd.

## Disclosure of Market Consistent Embedded Value as of March 31, 2011

Tokyo, May 27, 2011 – Sony Life Insurance Co., Ltd. ("Sony Life"), a wholly-owned subsidiary of Sony Financial Holdings Inc., today disclosed its Market Consistent Embedded Value ("MCEV") as of March 31, 2011, as one of the indices used to evaluate the corporate value of the life insurance businesses, which is compliant with the European Insurance CFO Forum Market Consistent Embedded Value Principles©<sup>1</sup> ("MCEV Principles").

Sony Life maintains its accounting records and prepares its financial statements in Japanese yen, in accordance with the Company Law of Japan and the Insurance Business Law of Japan and in conformity with generally accepted accounting principles and practices in Japan ("Japanese GAAP"). Sony Financial Holdings Inc.'s parent company, Sony Corporation, reports its financial statements in accordance with generally accepted accounting principles and practices in the United States. The figures stated below with respect to Sony Life's financial statements are based on Japanese GAAP.

#### **Summary**

The MCEV of Sony Life as of March 31, 2011 is as follows. New business value indicates the value of new business acquired during the year ended March 31, 2011.

(Billions of yen)

		As of March 31, 2011	As of March 31, 2010	Change
MCEV		853.6	894.0	(40.4)
	Adjusted net worth	230.3	206.2	24.1
	Value of existing business	623.3	687.8	(64.5)
New bus	siness value	56.8	55.6	1.2

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#### 1. Introduction

#### 1.1 About MCEV

The primary purpose of this press release is to provide information regarding the economic value of our life insurance business and movement analysis of its value.

Companies—primarily leading life insurance firms in Europe—have widely disclosed European Embedded Value ("EEV") since the CFO Forum, formed by the Chief Financial Officers (CFO) of major insurance companies in Europe, published EEV Principles in May 2004. EEV Principles attempt to address criticisms to traditional embedded value (TEV) (such as the appropriate valuation of costs related to options and various guarantees and improving comparability with other firms) and facilitate the implementation of market consistent valuation methods, which led many leading insurance companies in Europe to disclose EEV based on market-consistent approaches.

However, EEV Principles allow various calculation methodologies, including MCEV. Many insurance companies in Europe disclose MCEV as part of their financial reports and use it as an internal management tool, so the CFO Forum published MCEV Principles in June 2008 in order to make EV information effective and appropriate for investors by streamlining MCEV disclosure standards for international use. The CFO Forum revised MCEV Principles in October 2009 and added issues relating to liquidity premium.

Sony Life disclosed MCEV beginning as of March 31, 2008, in compliance with MCEV Principles.

#### 1.2 Covered business

Our calculations include the business operated by Sony Life and its subsidiaries and affiliate companies. It should be noted, however, that we have calculated the value of the subsidiaries and affiliated companies by adding the following values to the calculation of adjusted net worth:

- AEGON Sony Life Insurance Co., Ltd. is valued as net asset value minus intangible fixed assets and Insurance Business Law Article 113 deferred assets, multiplied by the participation rate
- Sony Life Insurance (Philippines) Corporation is valued as book value under Japanese GAAP adjusted for unrealized gains / losses due to foreign exchange rate movement (after-tax)
- Other companies are valued as book value under Japanese GAAP

#### 1.3 Statement of directors

The Board of Directors of Sony Life confirms that the EV presented here has been produced following the methodology set out in the MCEV Principles. Areas of material noncompliance are stated in section 1.5

#### 1.4 Opinion of outside specialist

Sony Life requested Milliman, Inc., an external actuarial consulting firm with expert knowledge in the area of MCEV valuations, to review the methodology, assumptions and calculations and obtained an opinion from Milliman, Inc. Please refer to Section 5 ("Opinion of Outside Specialist") for details.

#### 1.5 Compliance with MCEV Principles

We have calculated our MCEV in accordance with the calculation methodologies and assumptions in the MCEV Principles. Points of notice regarding MCEV Principles compliance are as follows:

- The calculated value of MCEV is the value for Sony Life only, and not the consolidated value of our parent company, Sony Financial Holdings Inc.
- Group MCEV, as prescribed in the MCEV Principles, is not considered in this report, as the report is for Sony Life on a standalone basis.
- With respect to Sony Life's subsidiary and its equity-method affiliates, we have not evaluated their life insurance business but reflected the following values to the calculation of adjusted net worth:
  - ➤ AEGON Sony Life Insurance Co., Ltd. is valued as net asset value minus intangible fixed assets and Insurance Business Law Article 113 deferred assets, multiplied by the participation rate
  - ➤ Sony Life Insurance (Philippines) Corporation is valued as book value under Japanese GAAP adjusted for unrealized gains / losses due to foreign exchange rate movement (after-tax)
  - ➤ Other companies are valued as book value under Japanese GAAP
- Any calculated values of MCEV are not presented separately by segment of subsidiary and affiliated company.
- We have calculated adjusted net worth based on Japanese GAAP, not on International Financial Reporting Standards (IFRS).
- While the Japanese solvency regime will be revised at the end of March 2012, the calculation is based
  on the current solvency margin regime because it is expected that MCEV would not be materially
  different if required capital were set to the revised regulatory minimum solvency capital from the end
  of March 2012. Accordingly, sensitivity to use the current regulatory minimum solvency capital is not
  presented.

#### 1.6 Definition of MCEV

MCEV Principles define MCEV as follows:

MCEV represents the present value of the current and future distributable earnings to shareholders generated from assets allocated to the covered business after sufficient allowance for the aggregate risks in the covered business. MCEV can be expressed as the EV evaluated in a method consistent with the calculation of prices of financial products traded in the financial markets.

MCEV consists of adjusted net worth and the value of existing business.

Adjusted net worth is the amount of assets allocated for the covered business as of the valuation date and calculated as the amount of its market value in excess of statutory policy reserve and other liabilities. Adjusted net worth can be split into required capital and free surplus.

The value of existing business consists of the present value of certainty-equivalent profit, time value of options and guarantees, frictional costs, and the cost of non-hedgeable risks.

- The present value of certainty-equivalent profit is the present value of profit based on future cash flows generated from the covered business.
- Time value of options and guarantees is the stochastic valuation of the time value of options and guarantees inherent in insurance contracts based on risk-neutral scenarios.
- Frictional costs are the present value of investment costs and taxes on assets backing the required capital at each point of time in the future.
- Cost of non-hedgeable risks means the present value of costs necessary to maintain capital related to non-hedgeable risks in the future.

These four items are all on an after-tax basis.

Please refer to Section 4 for more detailed definitions of terms.

#### 2. MCEV Results for Sony Life

#### 2.1 MCEV results

MCEV of Sony Life as of March 31, 2011 is shown in the table below.

(Billions of yen)

		As of March 31, 2011	As of March	Change
			31, 2010	
MCEV		853.6	894.0	(40.4)
	Adjusted net worth	230.3	206.2	24.1
	Value of existing business	623.3	687.8	(64.5)
New business value		56.8	55.6	1.2

#### 2.2 Adjusted net worth

Adjusted net worth is calculated as the market value of assets allocated for the covered business in excess of statutory policy reserve and other liabilities as of the valuation date. It is the total amount of the net assets line item on the balance sheets, adding a reserve for price fluctuations, contingency reserve, reserve for possible loan losses, along with unrealized gains or losses on held-to-maturity securities and unrealized gains or losses on land and buildings, deducting unfunded pension liabilities and intangible fixed assets, and adjusting for the amount of tax effect equivalent to these seven items, on which valuation gains or losses on subsidiaries and affiliated companies are added (see below). Here, foreign exchange rate applied in calculating the valuation gains or losses by the foreign exchange rate on Sony Life Insurance (Philippines) Corporation is ¥1.9/peso at the end of March 2011. We have also reflected tax effect equivalent in calculating the valuation gains or losses by the foreign exchange rate.

(Billions of yen)

	As of March 31,	As of March 31,	Change
	2011	2010	
Adjusted net worth	230.3	206.2	24.1
Total net assets	215.4	191.3	24.1
Reserve for price fluctuations	16.8	9.6	7.1
Contingency reserve	51.6	48.5	3.1
Reserve for possible loan losses	0.0	0.0	0.0
Unrealized gains or losses on	(22.2)	(20.5)	(1.7)
held-to-maturity securities			
Unrealized gains or losses on land and buildings	11.2	12.5	(1.3)
Unfunded pension liabilities	(6.4)	(6.6)	0.2
Intangible fixed assets	(18.4)	(13.9)	(4.5)
Tax effect equivalent of above seven items	(11.8)	(10.7)	(1.0)
Valuation gain or loss on subsidiaries and affilia	(5.8)	(4.0)	(1.8)
ted companies			

(Billions of Yen)

		As of March 31, 2011	As of March 31, 2010	Change
Adjusted	net worth	230.3	206.2	24.1
	Free surplus	230.3	206.2	24.1
	Required capital	_	_	_

We set our required capital as the larger of the amount of capital required for the current solvency margin ratio of 600% and the amount of capital to cover risks based on an internal model based on economic value. Please refer to section 4.7 for the method used to calculate required capital. While Japanese solvency regime will be revised at the end of March 2012, the calculation is based on the current solvency margin regime, because it is expected that MCEV would not be materially different if required capital were set to the revised regulatory minimum solvency capital from the end of March 2012.

#### 2.3 Value of existing business

The value of existing business is the present value of certainty-equivalent profit deducting the time value of options and guarantees, and frictional costs and the cost of non-hedgeable risks, broken down as follows:

(Billions of yen)

				(Billions of Juli)
		As of March 31,	As of March 31,	Change
		2011	2010	
Va	lue of existing business	623.3	687.8	(64.5)
	Present value of certainty-equivalent profit	881.4	887.2	(5.8)
	Time value of options and guarantees	(61.7)	(37.7)	(24.1)
	Frictional costs	(31.7)	(11.5)	(20.2)
	Cost of non-hedgeable risks	(164.7)	(150.2)	(14.5)

#### 2.4 New business value

Business included in the calculation of new business value is only that acquired during the year ended March 31, 2011, which is consistent with the financial information we have disclosed, and does not include the value of new business expected to be acquired in the future. The value of new business is the value as of March 31, 2011 and is calculated based on the same assumptions used for the value of existing business on the same date. As the value of new business includes profits and losses from the point of sale to the end of March 2011, actual investment gains and losses during the year ended March 31, 2011 are reflected. A breakdown of the value of new business is as follows:

(Billions of yen)

		As of	As of	Change
		March 31, 2011	March 31, 2010	
Val	ue of new business	56.8	55.6	1.2
	Present value of certainty-equivalent profit	79.0	76.9	2.2
	Time value of options and guarantees	(5.5)	(4.1)	(1.4)
	Frictional costs	(0.3)	(0.3)	(0.0)
	Cost of non-hedgeable risks	(16.4)	(16.8)	0.4

#### 2.5 New business margin

The new business margin described below is the ratio of the value of new business to the present value of premium income. The present value of premium income is calculated applying the same assumptions as those for the calculation of new business value, and is based on the premium before the deduction of the reinsurance premium.

(Billions of yen)

	As of	As of	Change
	March 31, 2011	March 31, 2010	
Value of new business	56.8	55.6	1.2
Present value of premium income	953.1	875.4	77.7
Value of new business / Present value of	6.0%	6.4%	(0.4) points
premium income			

Relationships between the acquired annualized premiums from new policies and the present value of premium income from new business for the year ended March 31, 2011 are as follows:

(Billions of yen)

	As of	As of	Change
	March 31, 2011	March 31, 2010	
Single premium from new business	74.1	44.9	29.1
Annualized premiums from level premium	88.4	83.2	5.2
new business <sup>2</sup>			
Average annualization multiplier <sup>3</sup>	9.95	9.99	(0.04)

### 2.6 Reconciliation analysis from MCEV at the end of the prior year

The table below shows the reconciliation analysis of MCEV as of March 31, 2011, from MCEV as of March 31, 2010, of which format is in line with the one prescribed by MCEV Principles.

(Billions of yen)

	Free surplus	Required capital	Value of existing business	MCEV
Opening MCEV (MCEV as of March 31, 2010)	206.2	_	687.8	894.0
Opening adjustments	(7.7)	_	_	(7.7)
Adjusted opening MCEV	198.5	_	687.8	886.3
New business value	_	_	56.8	56.8
Expected existing business contribution (risk-free rate)	0.9	_	12.5	13.4
Expected existing business contribution (in excess of risk free rate)	0.7	_	8.2	8.9
Transfers from value of existing business and required				
capital to free surplus	3.1	_	(3.1)	_
on new business	(33.9)	_	33.9	_
Experience variances	(9.5)	_	8.0	(1.5)
Assumption changes	_	_	(11.5)	(11.5)
Other operating variance	_	_	0.5	0.5
Operating MCEV earnings	(4.8)	_	71.4	66.6
Economic variances	36.7	1	(135.9)	(99.3)
Other non-operating variance	_	1	1	1
Total MCEV earnings	31.9	_	(64.5)	(32.7)
Closing adjustments	(0.1)	_	_	(0.1)
Closing MCEV (MCEV as of March 31, 2011)	230.3	_	623.3	853.6

<sup>&</sup>lt;sup>2</sup> Annualized premiums from level premium new business is calculated by multiplying the number of payments in a year by the amount of premiums received at a time. It should be noted that the definition of annualized premiums here is different from that used in disclosure such as financial results and annual reports.

<sup>&</sup>lt;sup>3</sup> The average annualization multiplier is calculated as (Present value of premium income – Single premium from new business) / Annualized premiums from level premium new business.

#### (1) Opening adjustments

These adjustments reflect changes in dividends paid to shareholders.

#### (2) New business value

This figure reflects increases resulting from the acquisition of new business during the year ended March 31, 2011. Please refer to section 2.4 for information concerning the calculation method.

#### (3) Expected existing business contribution (risk-free rate)

This figure includes the release of the portion for the year ended March 31, 2011 of the time value of options and guarantees and the cost of non-hedgeable risks, in addition to the release of the expected existing business contributions at a risk-free rate from the opening MCEV (as of March 31, 2010).

#### (4) Expected existing business contribution (in excess of risk-free rate)

This figure reflects the profit expected in excess of the risk-free rate generated by holding assets such as ordinary corporate bonds, convertible bonds, loans, stocks and real estate. The expected yield used to calculate the expected existing business contribution in excess of the risk-free rate for the year ended March 31, 2011 was 0.808%, which was developed by reflecting our view of the market environment and annual investment plans for the year against the asset balance at the end of the previous fiscal year.

#### (5) Transfer from value of existing business and required capital to free surplus

This figure indicates changes in the free surplus by transferring the profit for the year ended March 31, 2011 from the existing business value to the free surplus and from changes in the required capital. The transfer of profit, the former item, includes the transfer of expected profit that it was assumed would be realized during the year ended March 31, 2011 under the MCEV calculation as of March 31, 2010, and the transfer of profit for the year ended March 31, 2011 calculated under the new business value for the year ended March 31, 2011, which is added in (2) above.

The value of MCEV itself does not change as a result of this transfer as the transfer merely constitutes an internal shift among MCEV components.

#### (6) Experience variances

These variances show the impact on MCEV of the actual versus assumed differences in non-economic expected profit for the year ended March 31, 2011 under the MCEV calculation as of March 31, 2010, and of the differences between actual policies in force as of March 31, 2011, and those that were projected to be in force on March 31, 2010 using persistency assumptions. The primary causes of the former item are an increase in IBNR claim reserve to account for benefits due to the Great East Japan Earthquake and changes in intangible fixed assets and valuation gain or loss on subsidiaries and affiliated companies reflected in adjusted net worth.

These variances reflect the impact of one-time expenses incurred during the year ended March 31, 2011, if applicable. Please refer to section 3.3 (5) for information on one-time expenses.

#### (7) Assumption changes

This figure indicates the impact of changes in the assumptions, mainly on mortality and morbidity rates, lapse and surrender rates and operating expense rates.

While maintenance expense rates and mortality changes increased the value of existing business, its decrease due to lapse and surrender rate changes was more significant.

#### (8) Other operating variance

This represents the impact of improvements and corrections of the model used in calculating MCEV, including the effect due to the change of the calculation method of required capital from being based on EU Solvency II QIS4 to the internal model approach which is similar to but modified based on QIS5 as described in section 4.7.

#### (9) Operating MCEV earnings

This figure shows the aggregate amount of items (2) through (8).

#### (10) Economic variances

These variances show the impact of actual to assumed differences in economic assumptions, such as market interest rates and implied volatilities, that were reflected in the market environment when calculating MCEV as of March 31, 2010 on future values and the impact of the actual to assumed difference in expected asset investment income that were assumed would be realized during the year ended March 31, 2011, under MCEV as of March 31, 2010. Most of the difference is created by the former factor, of which major reasons for decreases in the value of existing business include an update of economic scenarios due to the change in the market environment such as a decrease in interest swap rates and a change of the implied volatilities, accounting for a decrease in the present value of certainty-equivalent profit by ¥118.6 billion, as well as increases in the time value of options and guarantees, in the cost of non-hedgeable risks, and in the frictional costs by ¥4.8 billion, ¥10.6 billion and ¥1.8 billion, respectively.

#### (11) Other non operating variance

There are no differences based on other factors.

#### (12) Closing adjustments

It reflects the impact of valuation gains or losses caused by the foreign exchange rate on Sony Life Insurance (Philippines) Corporation.

## 2.7 Sensitivity analysis

The impact of changing the underlying assumptions of MCEV is as follows:

#### Sensitivities

(Billions of yen)

Assumption	Change in Assumption	MCEV	Change in Amount	Rate of Change
Base	No change	853.6	_	_
	100bp decrease	739.2	(114.4)	(13%)
Interest rates	100bp increase	890.9	37.3	4%
	Government bond yield	901.2	47.6	6%
Stock / Real estate market value	10% decrease	837.1	(16.5)	(2%)
Stock / Real estate implied volatility	25% increase	847.0	(6.6)	(1%)
Interest swaption Implied volatility	25% increase	845.5	(8.1)	(1%)
Maintenance expenses	10% decrease	864.1	10.5	1%
Lapse and surrender rates	x 0.9	875.6	22.0	3%
Montolity votes	Death protection products x 0.95	889.1	35.5	4%
Mortality rates	Third-sector and annuity products x 0.95	849.9	(3.7)	(0%)
Morbidity rates	x 0.95	880.1	26.5	3%

Changes in adjusted net worth within the amount of change in MCEV are shown in the table below. Of items not specified in this table, only the value of existing business has been changed while adjusted net worth remains the same.

(Billions of yen)

Interest rates	100bp decrease	534.2
interest rates	100bp increase	(415.5)
Stock / Real estate market value	10% decrease	(13.1)
Stock / Real estate implied volatility	25% increase	0.1

#### Sensitivity of new business value

(Billions of yen)

Assumption	Change in Assumption	New Business Value	Change in Amount	Rate of Change
Base	No change	56.8	_	_
	100bp decrease	13.1	(43.7)	(77%)
Interest rates	100bp increase	82.9	26.1	46%
	Government bond yield	61.6	4.8	8%
Stock / Real estate market value	10% decrease	56.8	(0.0)	(0%)
Stock / Real estate implied volatility	25% increase	56.5	(0.3)	(0%)
Interest swaption Implied volatility	25% increase	55.8	(1.0)	(2%)
Maintenance expenses	10% decrease	58.0	1.2	2%
Lapse and surrender rates	x 0.9	61.6	4.8	8%
Montolitaryantos	Death protection products x 0.95	59.4	2.6	5%
Mortality rates	Third sector and annuity products x 0.95	56.5	(0.3)	(1%)
Morbidity rates	x 0.95	59.0	2.2	4%

#### (1) Interest rates

This sensitivity represents the impact of an immediate parallel shift of the domestic and foreign swap curve as of March 31, 2011, and the impact if the government bond yield were used instead of a swap yield. Adjusted net worth would change as the market value of bonds and other assets held were to change, while this is not applicable to the case if the government bond yield were used. At the same time, the value of existing business would also change as interest rates, the discount rate, yields of new bonds to be purchased in the future as the existing bonds mature, and the investment return on stocks, real estate, and other assets were to change. Here, the sensitivity scenarios were made so that the parameters related to interest rate volatility were equal to those derived for the base case. Only the parameters related to the interest rate term structure were altered when scenarios were developed using the interest rate model. The floor in downward changes in interest rates was set at 0%.

From this fiscal year, the sensitivity result if the government bond yield were used has been additionally presented, because the government bond yield can be considered more appropriate to discount liability cash flows for the internal risk management purpose, as asset and liability interest rate risk management is pursued by investing funds held for future insurance claim costs mainly in ultra-long term government bonds. As of March 31, 2011, the value of existing business under the calculation based on the government bond yield surpassed that based on a swap yield because interest swap rates were lower than Japanese government bond yields for the ultralong-term interest rates.

#### (2) Stock and real estate market value

This sensitivity represents the impact of immediate changes in market values of stock and real estate as of March 31, 2011. Adjusted net worth would change as the market value of stock and real estate were to change.

At the same time, the value of existing business would change as the amount of asset changed.

#### (3) Implied volatility of stock and real estate

This sensitivity represents the impact of an increase in the implied volatilities of stock used in calculating the time value of options and guarantees. If stock implied volatilities were changed the value of convertible bonds and others would change. At the same time, the value of existing business would also change as the time value of options and guarantees was affected.

#### (4) Interest swaption implied volatility

This sensitivity represents the impact of an increase in the implied volatility of interest swaption used in calculating the time value of options and guarantees. The value of existing business would change as the time value of options and guarantees were changed.

#### (5) Maintenance expenses

This sensitivity represents the impact of a decrease in maintenance expenses. It should be noted that maintenance expenses do not include sales commissions from the in-force policies payable to Sony Life's Lifeplanner sales employees in future periods.

#### (6) Lapse and surrender rates

This sensitivity represents the impact of a decrease in lapse and surrender rates.

#### (7) Mortality rates

This sensitivity represents the impact of a decrease in the mortality rates. We have shown the impact on death protection products and the impact on third-sector insurance and annuity products separately, as they would have different impacts. We have covered base policies and riders of which the principal benefits are accidental death, disability, cancer, medical and nursing benefits, and individual annuities with respect to the third-sector insurance and annuity product segment. No management actions were reflected.

#### (8) Morbidity rates

This sensitivity represents the impact of a decrease in the morbidity rates of sickness and others in third-sector products.

#### (9) Required capital

While the Japanese solvency regime will be revised at the end of March 2012, the calculation is based on the current solvency margin regime because it is expected that MCEV would not be materially different even if required capital were set to the revised regulatory minimum solvency capital from the end of March 2012. Accordingly, sensitivity to use the current regulatory minimum solvency capital is not presented.

#### (10) Other

The following points should be noted regarding sensitivity:

- Frictional costs and the cost of non-hedgeable risks do not change in the sensitivity tests.
- Values of subsidiaries and affiliated companies are not changed except for stock market value sensitivity where the stock value of subsidiaries and affiliated companies are altered.
- The impact of changing more than one assumption at a time is not congruent with the sum of impacts for each assumption.

#### 3. Assumptions

#### 3.1 Economic assumptions

We have made economic assumptions in our calculation of MCEV as of March 31, 2011.

#### (1) Risk-free rate

We have used the interest swap rate of Japanese yen as of March 31, 2011 as a risk-free rate for the certainty-equivalent projections. While we used the data for up to 50 years until the previous year, as it is unstable due to few transactions, we changed the approach to using the data for up to 40 years. It is assumed that forward rates in the 41<sup>st</sup> year and beyond were equal to those in the 40<sup>th</sup> year. We have used Bloomberg's interest swap rate as our data source. The spot yields of the swap rate for key terms are as follows:

Term	As of March 31, 2011	As of March 31, 2010
1 year	0.36%	0.45%
5 year	0.62%	0.76%
10 year	1.29%	1.46%
20 year	2.02%	2.19%
30 year	2.16%	2.32%
40 year	2.24%	2.37%
50 year	_	2.42%

The government bond yields for key terms which are used for the sensitivity result with government bond yields in section 2.7.(1) are as follows:

Term	As of March 31, 2011
	Government bond
1 year	0.15%
5 year	0.50%
10 year	1.26%
20 year	2.07%
30 year	2.19%
40 year	2.34%

We have not added liquidity premium on the risk free rate as there are no products which are considered appropriate to apply liquidity premium as they have reasonably predictable cash flows and are considered illiquid.

#### (2) Interest-rate model

We have calibrated the interest rate model to the market as of March 31, 2011. We have estimated parameters for the interest rate model from the yield curve and the implied volatilities of interest swaptions with different terms. We have used 1,000 scenarios generated by Milliman, Inc. in calculating the time value of options and guarantees under the stochastic method where the interest rate is floored at 0%.

The implied volatilities of the interest swaption used in our estimation are as follows:

As of March 31, 2011

Term of swap	Term of	Japanese	U.S. dollar	Euro	UK pound
(in years)	option	yen			
	(in years)				
1	1	53.8%	66.6%	33.9%	44.1%
5	1	60.1%	35.0%	24.4%	26.3%
5	5	32.5%	23.1%	19.2%	16.5%
5	7	26.7%	20.8%	17.5%	14.4%
5	10	23.6%	18.3%	15.9%	13.0%
5	15	22.5%	16.4%	16.1%	13.2%
5	20	24.9%	15.1%	18.1%	13.9%
10	1	40.6%	27.7%	21.1%	19.8%
10	5	28.2%	21.3%	18.6%	15.1%
10	7	25.3%	19.5%	17.5%	13.8%
10	10	24.0%	17.8%	16.5%	12.7%
10	15	24.4%	15.8%	17.3%	12.5%
10	20	26.3%	14.6%	19.4%	12.5%
15	1	32.6%	24.1%	20.0%	17.8%
15	5	26.7%	19.5%	18.2%	14.6%
15	7	25.3%	18.2%	17.2%	13.5%
15	10	24.8%	16.5%	16.5%	12.4%
15	15	25.4%	14.9%	17.2%	12.3%
15	20	26.2%	13.5%	19.0%	12.9%
20	1	30.4%	22.7%	20.1%	16.6%
20	5	26.9%	18.6%	18.5%	14.2%
20	7	25.8%	17.6%	17.6%	13.2%
20	10	25.7%	15.7%	16.9%	12.1%
20	15	25.8%	13.9%	17.2%	12.4%
20	20	26.5%	12.9%	18.0%	11.5%

As of March 31, 2010

Term of swap	Term of option	Japanese	U.S. dollar	Euro	UK pound
(in years)	(in years)	yen			
1	1	40.3%	60.8%	50.5%	53.0%
5	1	41.8%	31.4%	25.3%	23.3%
5	5	27.1%	21.0%	16.4%	14.9%
5	7	23.4%	19.0%	14.6%	13.1%
5	10	20.9%	16.6%	13.6%	11.6%
5	15	20.5%	14.8%	13.8%	12.0%
5	20	22.5%	13.5%	16.1%	12.9%
10	1	30.3%	24.8%	19.8%	17.2%
10	5	23.6%	19.2%	15.9%	13.5%
10	7	21.4%	17.8%	14.9%	12.5%
10	10	20.4%	16.0%	14.4%	11.7%
10	15	21.1%	14.2%	15.2%	12.1%
10	20	22.5%	12.7%	17.5%	12.8%
15	1	25.2%	22.3%	18.5%	15.8%
15	5	22.2%	17.7%	15.6%	13.5%
15	7	21.4%	16.4%	14.9%	12.6%
15	10	21.0%	14.7%	14.7%	11.8%
15	15	21.7%	12.9%	15.6%	12.1%
15	20	22.5%	11.7%	17.7%	12.5%
20	1	23.7%	20.5%	18.4%	15.2%
20	5	22.3%	17.0%	16.0%	13.6%
20	7	21.5%	15.8%	15.5%	12.6%
20	10	21.5%	14.0%	15.2%	11.8%
20	15	22.0%	12.6%	15.9%	11.8%
20	20	22.4%	11.5%	17.7%	12.0%

<sup>(3)</sup> Implied volatility of foreign exchange rates and equity

We have obtained spot implied volatilities from options with different terms. Implied volatilities are all those for at-the-money options. Bloomberg is the source of data for foreign exchanges and averages of the implied volatilities provided by securities firms for the stock price index.

We have assumed that forward implied volatilities in the 11<sup>th</sup> year and beyond are equal to those in the 10<sup>th</sup> year for both foreign exchange rates and the stock price index as these derivatives have low liquidities for the period over 10 years. Regarding the implied volatility of UK pound/ Japanese yen, we used the forward implied volatility of a 7-year term for the 8-year term and thereafter as there was no credible data available beyond the 7-year term as of March 31, 2010. However, we applied the same treatment as that for other currencies as of March 31, 2011.

Implied volatilities used for the estimation are as follows:

As of March 31, 2011

	Fo	oreign Exchan	ge		Stocks				
Term	U.S.	Euro/	UK	Japan	U.S.	Euro	UK		
(in	dollar/	Japanese	pound/	TOPIX	S&P	SX5E	FTSE		
years)	Japanese	yen	Japanese						
	yen		yen						
1	13.6%	15.4%	15.2%	20.3%	19.9%	21.8%	18.5%		
5	16.6%	20.1%	18.5%	19.9%	21.6%	22.4%	21.2%		
10	20.0%	24.5%	24.0%	22.1%	25.7%	25.1%	24.8%		

## As of March 31, 2010

	Fo	Foreign Exchange Stocks					
Term	U.S.	Euro/	UK	Japan	U.S.	Euro	UK
(in	dollar/	Japanese	pound/	TOPIX	S&P	SX5E	FTSE
years)	Japanese	yen	Japanese				
	yen		yen				
1	13.0%	14.4%	16.3%	18.5%	19.4%	21.4%	18.6%
5	14.7%	17.7%	18.9%	20.5%	22.1%	23.5%	21.7%
10	18.0%	20.2%	$20.3\%^{4}$	22.2%	28.4%	26.3%	25.0%

#### (4) Correlation factor

We have calculated correlation factors from the monthly return of each index for a period of five years from April 2006 and to the end of March 2011 as there is no market-consistent data for correlation factors.

<sup>&</sup>lt;sup>4</sup> Value for the 7-year term is presented in the column of the 10-year term for the implied volatility of UK pound/Japanese yen as of March 31, 2010.

## As of March 31, 2011

	Japanese	U.S.	Euro	UK	U.S.	Euro /	UK	TOPIX	S&P	SX5E	FTSE
	yen	dollar	Interest	pound	dollar /	Japanese	pound /		200	2122	
	Interest	Interest	rate 1Y	Interest	Japanese	yen	Japanese				
	rate 1Y	rate 1Y		rate 1Y	yen		yen				
Japanese					, , , , , , , , , , , , , , , , , , ,		, ,				
yen Interest rate 1Y	1.00	0.45	0.41	0.37	0.16	0.16	0.28	0.12	0.05	0.04	(0.03)
U.S. dollar											
Interest rate 1Y	0.45	1.00	0.66	0.63	0.58	0.20	0.50	0.32	0.23	0.28	0.18
Euro											
Interest	0.41	0.66	1.00	0.86	0.40	0.43	0.56	0.35	0.44	0.40	0.29
UK pound											
Interest rate 1Y	0.37	0.63	0.86	1.00	0.46	0.38	0.64	0.36	0.32	0.26	0.16
U.S. dollar											
/ Japanese yen	0.16	0.58	0.40	0.46	1.00	0.53	0.72	0.52	0.19	0.21	0.17
Euro /											
Japanese	0.16	0.20	0.43	0.38	0.53	1.00	0.74	0.65	0.60	0.52	0.50
yen											
UK pound	0.00	0.50	0.50	0.04	0.70	0.74	1.00	0.05	0.44	0.40	0.00
/ Japanese	0.28	0.50	0.56	0.64	0.72	0.74	1.00	0.65	0.44	0.43	0.29
yen	0.10	0.20	0.25	0.20	0.50	0.05	0.05	1.00	0.75	0.79	0.79
TOPIX	0.12	0.32	0.35	0.36	0.52	0.65	0.65	1.00	0.75	0.73	0.73
S&P	0.05	0.23	0.44	0.32	0.19	0.60	0.44	0.75	1.00	0.90	0.88
SX5E	0.04	0.28	0.40	0.26	0.21	0.52	0.43	0.73	0.90	1.00	0.89
FTSE	(0.03)	0.18	0.29	0.16	0.17	0.50	0.29	0.73	0.88	0.89	1.00

## As of March 31, 2010

	Japanese	U.S.	Euro	UK	U.S.	Euro /	UK	TOPIX	S&P	SX5E	FTSE
	yen	dollar	Interest	pound	dollar/	Japanese	pound /				
	Interest	Interest	rate 1Y	Interest	Japanese	yen	Japanese				
	rate 1Y	rate 1Y		rate 1Y	yen		yen				
Japanese yen Interest rate 1Y	1.00	0.48	0.45	0.39	0.36	0.34	0.41	0.20	(0.17)	(0.02)	(0.16)
U.S. dollar	0.48	1.00	0.69	0.61	0.38	0.22	0.41	0.48	0.14	0.37	0.16

-											
Interest rate 1Y											
Euro											
Interest	0.45	0.69	1.00	0.85	0.46	0.46	0.55	0.43	0.06	0.28	0.04
rate 1Y											
UK											
pound	0.20	0.61	0.05	1.00	0.24	0.24	0.46	0.27	0.00	0.22	0.07
Interest	0.39	0.61	0.85	1.00	0.34	0.34	0.46	0.37	0.09	0.22	0.07
rate 1Y											
U.S.											
dollar /	0.36	0.38	0.46	0.34	1.00	0.74	0.91	0.34	(0.61)	(0.10)	(0.47)
Japanese	0.50	0.50	0.40	0.54	1.00	0.74	0.71	0.54	(0.01)	(0.10)	(0.47)
yen											
Euro /											
Japanese	0.34	0.22	0.46	0.34	0.74	1.00	0.84	0.28	(0.44)	(0.18)	(0.44)
yen											
UK											
pound /	0.41	0.41	0.55	0.46	0.91	0.84	1.00	0.34	(0.54)	(0.13)	(0.51)
Japanese											, ,
yen											
TOPIX	0.20	0.48	0.43	0.37	0.34	0.28	0.34	1.00	0.41	0.75	0.53
S&P	(0.17)	0.14	0.06	0.09	(0.61)	(0.44)	(0.54)	0.41	1.00	0.79	0.92
SX5E	(0.02)	0.37	0.28	0.22	(0.10)	(0.18)	(0.13)	0.75	0.79	1.00	0.88
FTSE	(0.16)	0.16	0.04	0.07	(0.47)	(0.44)	(0.51)	0.53	0.92	0.88	1.00

#### (5) Foreign exchange

Assets denominated in foreign currencies are converted to Japanese yen using the TTM (telegraphic transfer middle exchange rate) as of March 31, 2011.

The table below shows foreign exchange rates of major currencies.

	As of	As of
	March 31, 2011	March, 31 2010
U.S. dollar / Yen	¥83.15	¥93.04
Euro / Yen	¥117.57	¥124.92
UK pound / Yen	¥133.89	¥140.40
Philippine peso / Yen	¥1.93	¥2.00

#### 3.2 Future asset allocation

#### (1) Asset allocation in the general account

Segment accounting is conducted for individual life insurance and individual annuity with the classifications of non-participating product segment, semi-participating product segment and interest rate-sensitive whole life insurance segment. Asset allocation in the general account under the stochastic method was determined based on the actual asset allocation in each segment as of March 31, 2011 with an assumption of no changes in asset allocation thereafter.

#### (2) Asset allocation in the separate account

There are eight funds established in the separate account. The asset allocation for each fund at the beginning of the projection is determined based on the actual fund allocation as of March 31, 2011 and no rebalancing adjustments are applied to maintain the initial fund allocation thereafter.

#### 3.3 Other assumptions

Assumptions including mortality and morbidity rates, lapse and surrender rates, and operating expense rates, were developed based on product best estimates as of March 31, 2011. Best-estimate assumptions are developed to reflect past and current experiences as well as expected experiences in the future. Expected future changes in assumptions should be reflected only when they are supported by sufficient reasons. Except for a deteriorating trend in morbidity rates, no other expected future changes are assumed in the best estimate assumptions applied. Assumptions were developed as follows:

#### (1) Mortality and morbidity rates

Developed based on experiences over the three most recent years. Deteriorating trends in morbidity rates are taken into account for those A&H products to which deteriorating trends were observed when the experience data were analyzed in conducting the statutory stress test.

#### (2) Lapse and surrender rates

Lapse and surrender rates for the base case were developed based on experiences over the three most recent years. We have also developed dynamic assumptions in accordance with the level of interest rate or investment performance. The dynamic assumptions are made for the following products:

- Variable life insurance
- · Semi-participating products
- · Non-participating whole life insurance
- Non-participating endowment insurance

Since we have not identified explicit correlations between interest rates or account values to the amount of minimum guarantee and the lapse and surrender rates regarding products other than variable insurance, we have developed dynamic surrender rates by referring to the experience with similar products and domestic and overseas trends of practice. Going forward, we will strive to improve dynamic surrender rates for the relevant products by carefully monitoring experiential data and referring to experience with similar products and trends of practice in Japan and other countries.

#### (3) Flexible premiums

There are no flexible premium products and thus no assumptions were developed.

#### (4) Renewal rates

Because there is very little renewable business and it does not have a significant impact on results, policy renewal was reflected in a simplified manner.

#### (5) Operating expense rates

We have developed unit costs of the expenses incurred for maintenance and administration of policies and payments of claims based on the actual operating expenses in the most recent year.

Sony Life Insurance (Philippines) Corporation, a subsidiary, is evaluated as its equity converted into a yen amount and its profits and losses are not reflected as life insurance business. So, we have not reflected administration expenses incurred at Sony Life regarding management of the relevant subsidiary to the unit costs.

While AEGON Sony Life Insurance Co., Ltd., an affiliated company, is not evaluated as the life insurance business, it is not just valued at its book value but valued as net asset value minus intangible fixed assets and Insurance Business Law Article 113 deferred assets, multiplied by the participation rate. So, administration expenses incurred at Sony Life regarding management of this company are reflected in the unit costs.

Administration expenses of other subsidiaries and affiliated companies are not excluded from the unit costs as their impact is limited. The look-through effect of the relationship with subsidiaries and affiliated companies is not considered except for the points described above.

There are no one-time expenses which were incurred during the year ended March 31, 2011 and excluded from the unit cost.

Expenses that were not reflected in unit costs accounted for less than 1% of total operating expenses.

Unit costs include management administration charges payable to the parent company, Sony Financial Holdings Inc. The look-through effect has not been considered with regards to the relationship with Sony Financial Holdings Inc. except for the point described above.

#### (6) Tax rate

Based on the most recent effective tax rate.

#### (7) Inflation

Set inflation to 0% reflecting the break-even inflation rate derived from 10-year Consumer Price Index (CPI)-indexed Japanese government bonds.

#### 4. Calculation method of MCEV

#### 4.1 Covered business

The covered business is the business operated by Sony Life, its subsidiaries and its affiliate companies.

#### 4.2 Treatment of subsidiaries and affiliate companies

Our calculations include the following values regarding subsidiaries and affiliated companies to the calculation of adjusted net worth:

- AEGON Sony Life Insurance Co., Ltd. is valued as net asset value minus intangible fixed assets, and Insurance Business Law Article 113 deferred assets, multiplied by the participation rate, which is ¥4.4 billion.
- Sony Life Insurance (Philippines) Corporation is valued as book value under Japanese GAAP adjusted for unrealized gains / losses due to foreign exchange rate movement (after-tax), which is ¥2.8 billion.
- Other companies are valued as book value under Japanese GAAP, which is ¥2.8 billion.

There are no other values reflected in the values of subsidiaries and affiliated companies except for the above, and all other results solely reflect Sony Life itself (on a non-consolidated basis).

#### 4.3 Treatment of reinsurance

We have designated reinsurance premiums as expenses and reinsurance benefits as income in our projections, as we have ceded as reinsurance the mortality risks of certain death protection insurance products.

## 4.4 Treatment of semi-participating policies

We have calculated dividends in accordance with the level of future investment returns, based on the same method used to determine the dividend rate for the accounting closure of March 31, 2011, reflecting the present value of certainty-equivalent profit and the time value of options and guarantees.

#### **4.5 MCEV**

MCEV is defined as the present value of distributable earnings to shareholders generated from assets allocated to the covered business after sufficient allowance for the aggregate risks in the covered business and consists of adjusted net worth and the value of existing business.

#### 4.6 Adjusted net worth

Adjusted net worth is calculated as the market value of assets allocated for the covered business in excess of statutory policy reserves and other liabilities as of the valuation date. Specifically, it equals to the total amount of the net assets section on the balance sheets, adding reserve for price fluctuations, contingency reserve, reserve for possible loan losses, unrealized gains or losses on held-to-maturity securities, and unrealized gains or losses on land and buildings, deducting unfunded pension liabilities and intangible fixed assets, and adjusting for the amount of tax effect equivalent of these seven items, on which valuation gains or losses on subsidiaries and affiliated companies are added. Adjusted net worth can be split into required capital and free surplus.

#### 4.7 Required capital

MCEV Principles define required capital as the amount of assets that should be held in addition to the assets corresponding to the statutory liability to perform the in-force policy obligations, which is restricted from distributing to shareholders in nature. The level of required capital should be the larger of the solvency capital to meet the statutory required minimum level or the capital required to meet the internal objectives in terms of marketing purpose or risk management purpose, or to achieve the company's targeted credit rating.

We set our required capital as the larger of the amount of capital required for the current solvency margin ratio of 600% or the amount of capital to cover risks based on the internal model.

For the previous fiscal year we defined the amount of capital to cover risks based on the internal model as the total amount of technical provision and solvency risk capital stipulated by QIS4 of the EU Solvency II held in excess of statutory policy reserves (excluding contingency reserves). From this fiscal year we have changed to the internal model, a similar but modified model based on the QIS5 standard method.

Although the Japanese statutory required minimum level is a solvency margin ratio of 200%, we set our level for the targeted solvency margin ratio at 600% in calculating MCEV as of March 31, 2011, as there are arguments that a level of 200% under the current solvency margin standard would not necessarily be sufficient to present the soundness of an insurance company and revisions have been already made to the solvency margin ratio, and Sony Life has used the targeted minimum solvency margin ratio of 600% instead of 200% as a basis to calculate the cost of capital for TEV from the past.

While the Japanese solvency regime will be revised at the end of March 2012, it is expected that MCEV would not be materially different if required capital were set to maintain a minimum level of 200% solvency margin ratio under the revised regime from the end of March 2012. Sony Life plans to change the targeted solvency capital level as appropriate in line with the timing of the enforcement of the new regime at the end of March 2012.

We will also revise the internal model itself as appropriate, taking into account the domestic and overseas situations, including movements of international accounting standards, valuation methods of insurance liability on an economic value basis and solvency margin standard trends, as well as the analysis of our internal mortality and morbidity rates data.

Major changes of the internal model approach from the previous year are as follows:

#### (1) Market risk

Market risk quantification follows the QIS5 approach in principle. However, we modified it to make it more suitable in light of the market risk attribute to which we are exposed to where QIS5 standard methodology is considered unable to capture enough risk amount at a 99.5% confidence level. It includes the use of alternate stress parameters for some risks derived by using the same calibration method as that used for QIS5. Major stress parameters different from QIS5 include 45% for listed stocks, 100% for subsidiaries and affiliated companies' stocks, and 30% for currency risk.

#### (2) Insurance underwriting risk

#### 1) Module

Referring to the QIS5 approach, it is classified that accidental and health (A&H) products belong to the Health module and the other products belong to the Life module. Because diversification effect is considered between the Life and Health modules, this change decreases the total insurance underwriting risk.

#### ② Risk quantification

Mortality and longevity risks follow the QIS5 approach.

Morbidity, lapse, expense, and catastrophe risks have not been revised. In particular lapse up / down stress parameters for the Health module under QIS5 are 20%. Because it makes stress parameters extremely lower only for A&H products, we have kept the parameters at 50% to be consistent with the methodology we have been using.

(3) Operational risk

QIS5 is followed.

#### (4) Correlation parameters

Correlation parameters follow QIS5.

#### 4.8 Free surplus

Free surplus is the amount of adjusted net worth other than that for required capital.

#### 4.9 Value of existing business

The value of existing business is calculated as the present value of certainty-equivalent profit deducting the time value of options and guarantees, the frictional costs and the cost of non-hedgeable risks. New business value is calculated using the same method.

#### 4.10 Present value of certainty-equivalent profit

The present value of certainty-equivalent profit is the present value of profit based on the future cash flows generated

from the covered business. The risk-free rate is used for assuming investment return on all assets and the discount rate.

The present value of certainty-equivalent profit reflects the intrinsic value of options and guarantees.

#### 4.11 Time value of options and guarantees

We have calculated the time value of options and guarantees using the stochastic method with risk-neutral scenarios. The time value of options and guarantees is calculated as the difference between the present value of certainty-equivalent profit and the present value of stochastic future profits.

The time value of options and guarantees considers the following items:

- Minimum guarantees of variable life insurance
   The excess of account value over the scheduled policy reserves is attributed to policyholders. However, when the account value is less than the scheduled policy reserves, the cost incurred from executing guaranteed minimum death benefits for variable life insurance is attributed to shareholders.
- Minimum interest-rate guarantee for interest rate-sensitive whole life insurance
   When the investment return exceeds the assumed interest rate, the outperforming portion is credited to
   policyholder account value. However, when the investment return underperforms the assumed interest rate, the
   cost for the difference is attributed to shareholders, as the assumed interest rate is guaranteed.
- Interest dividend for semi-participating products
   When the investment return exceeds the assumed interest rate, the outperforming portion is credited to the
   fund for policyholder dividends and paid to policyholders every five years as interest dividends. Accordingly,
   any of such interest gains would not be attributed to shareholders, while interest losses would be attributed to
   shareholders.

#### · Surrender options

Policyholders have various options in insurance contracts. Reflected among them are the costs of policyholders' exercising the right of surrender in the event of increased interest rates. Since we have not identified explicit correlations between interest rates or account values to the amount of minimum guarantee and the lapse and surrender rates regarding products other than variable insurance, we have developed dynamic surrender rates by referring to the experience with similar products and domestic and overseas trends of practice. Going forward, we will strive to improve dynamic surrender rates for the relevant products by carefully monitoring experiential data and referring to experience with similar products and trends of practice in Japan and other countries.

#### 4.12 Frictional costs

We have calculated frictional costs as the present value of investment costs and taxes on assets backing the required capital at each point of time in the future.

#### 4.13 Cost of non-hedgeable risks

As risks regarding the asymmetric nature of cash flows not reflected in the present value of certainty-equivalent profit are fully reflected in the time value of options and guarantees, we have reflected an allowance for the uncertainty of non-economic assumptions and the portion of economic assumptions considered non-hedgeable with respect to the cost of non-hedgeable risks.

Specifically, we have assumed a risk margin based on the method prescribed in QIS5 of the EU Solvency II framework as the cost of non-hedgeable risks and calculated it with the cost of capital approach. It should be noted that the following points are different from the method prescribed in QIS5:

- With respect to non-hedgeable risk, the uncertainty of the risk-free rates beyond the 40<sup>th</sup> year has been considered as an interest risk, in addition to insurance underwriting risks and operational risks. Catastrophe risk and lapse risk in the Health module have remained the same as QIS4 described in section 4.7.(2).
- Counterparty default risk has not been reflected in the non-hedgeable risks as its impact is limited.
- We have used risk amounts quantified after taking into consideration the risk mitigation effect through policyholder dividends without any adjustments.
- We have used the cost of capital rate described in section 4.14.

#### 4.14 Cost of capital rate

QIS5 of the EU Solvency II has set a cost of capital rate at 6%, which is used for the cost of capital calculation. On the other hand, the CRO (Chief Risk Officer) Forum comprised of CROs from leading insurance companies in Europe proposed that 2.5% to 4.5% would be the appropriate level based on several trial calculations. Following the philosophy of the CRO Forum's approach, we have decided to use 2.5% for the cost of capital rate consistent with the MCEV framework considering Japanese long-term stock risk premiums, the beta of Sony Financial Holdings Inc. and the anticipated impact of the equity risk exposure of Sony Life on the beta of Sony Financial Holdings Inc., which is a hedgeable risk. However, we may revise the cost of capital rate in the future as an industry development standard has not yet been established.

## 5. Opinion of Outside Specialist

Sony Life requested Milliman, Inc., an external actuarial consulting firm with expert knowledge in the area of MCEV valuations, to review the methodology, assumptions and calculations. The opinion obtained from Milliman, Inc. is as follows:

Milliman, Inc. ("Milliman") has been engaged to review the methodology, assumptions and calculations used by Sony Life Insurance Co., Ltd. ("Sony Life") to determine the Market Consistent Embedded Value ("MCEV") as of March 31, 2011. Specifically, the scope of our review included the embedded value as of March 31, 2011, the sensitivities, the new business value and the movement analysis from MCEV as of March 31, 2010.

The board of directors made a statement in its News Release Form dated May 27, 2011 that the methodology, assumptions and calculations have been made in accordance with the European Insurance CFO Forum Market Consistent Embedded Value Principles©<sup>5</sup>, with the following exceptions:

- The calculated value of MCEV is the value for the life insurance business of Sony Life only and not the consolidated value of Sony Life's parent company, Sony Financial Holdings Inc.
- Group MCEV, as prescribed in the MCEV Principles, is not considered in this report, as the report is for Sony Life on a standalone basis.
- With respect to Sony Life's subsidiaries and its equity-method affiliates, Sony Life has not evaluated their life insurance business but reflected the following values to the calculation of adjusted net worth:
  - AEGON Sony Life Insurance Co., Ltd. is valued as net asset value minus intangible fixed assets and Insurance Business Law Article 113 deferred assets, multiplied by the participation rate
  - Sony Life Insurance (Philippines) Corporation is valued as book value under Japanese GAAP adjusted for unrealized gains/losses due to foreign exchange rate movement (after-tax)
  - Other companies are valued as book value under Japanese GAAP
- Any calculated values of MCEV are not presented separately by the segment of subsidiaries and affiliated companies.
- Sony Life has calculated the adjusted net worth based on generally accepted accounting principles and practices in Japan and not based on the International Financial Reporting Standards (IFRS).
- While the Japanese solvency regime will be revised at the end of March 2012, the calculation is based on
  the current solvency margin regime because it is expected that MCEV would not be materially different if
  required capital were set to the revised regulatory minimum solvency capital from the end of March 2012.
  Accordingly, a sensitivity analysis assuming the current regulatory minimum solvency capital is not
  presented.

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Milliman has concluded that the methodology and assumptions used comply with the MCEV Principles except for the points described in the above paragraph. In particular

- The non-economic assumptions have been set with regard to past, current and expected future experience;
- The economic assumptions used in the calculations are internally consistent and consistent with observable market data as per the valuation date;
- The methodology makes an allowance for all the aggregate risks in the covered business through Sony Life's market-consistent embedded value methodology, which includes
  - -a stochastic allowance for the cost of financial options and guarantees
  - -a deduction for the cost of non-hedgeable risks
  - -a deduction for the frictional costs of the required capital
- For participating insurance contracts, the assumed policyholder dividend rates, allocation of profits between policyholders and shareholders and other management actions, are consistent with the assumptions and scenarios used in the projections and where applicable local market practice.

Milliman has reviewed the MCEV methodology, assumptions, calculations and analysis prepared by Sony Life, but this does not mean that Milliman has conducted a detailed review in all aspects. During its review Milliman identified and discussed various MCEV calculation and definition issues with Sony Life staff. Based upon those discussions and follow-up actions, Milliman is not aware of any issues that would materially impact the disclosed market consistent embedded values, new business values, sensitivities or movement analysis from the prior period. In arriving at this conclusion, Milliman has relied on data and information provided by Sony Life.

The calculation of MCEV is based on numerous assumptions with respect to economic conditions, operating conditions, taxes and other matters, many of which are beyond the control of Sony Life. Although the methodology and assumptions used comply with the MCEV Principles, deviations between projection assumptions and actual experience in the future are to be expected. Such deviations may materially impact the value calculated.

This opinion is made solely to Sony Life in accordance with the engagement letter between Sony Life and Milliman. Milliman does not accept or assume any responsibility, duty of care or liability to anyone other than Sony Life for or in connection with its review work, the opinion Milliman has formed or for any statements set forth in this opinion, to the fullest extent permitted by applicable law.

## 6. Glossary

Tern	n	Definition
A	Appraisal value	A corporate value based on projected cash flows receivable for shareholders from existing business and future new business. It is defined as the current MCEV plus new business value acquired in the future.
	Asymmetric risk	The risk where symmetric upward and downward changes on assumptions do not result in symmetric changes in cash flow. Such risk includes minimum guarantee of variable life insurance and policyholder dividend payment. These risks are evaluated with a stochastic method and presented as a time value of options and guarantees.
В	Best estimate assumption	The assumption that is most expected to occur in the future.
С	Calibration  Cost of capital approach  Cost of non-hedgeable risk	To set various stochastic model parameters in a market-consistent manner.  One of the approaches to calculate the risk margin. The cost of risk is determined by taking the present value of the cost to hold capital required in future periods.  The present value of the cost to hold required capital to cover future non-hedgeable risks. As risks regarding the asymmetric nature of cash flows not reflected in the present value of certainty-equivalent profit are fully reflected in the time value of options and guarantees, We have reflected allowance for uncertainty of non-economic assumptions and the portion of economic assumptions considered non-hedgeable of economic assumptions with respect to the cost of non-hedgeable risks in this cost.
F	Free surplus	The portion of adjusted net worth other than the required capital.
	Frictional costs	The present value of investment costs and taxes on assets backing the required capital at each point of time in the future.
I	Implied volatility	The expected rate of future variability embedded in current option prices, and represents the expected value of the market against the price fluctuation.
L	Look through	To measure the impact of an action on an entire business group rather than only on a particular part of the group.
N	Non-financial risk  Non-hedgeable non-financial risk  Non-hedgeable risk	Examples are mortality risk, longevity risk, disability risk, operating expense risk, surrender risk and operational risk.  A non-financial risk such that deep and liquid capital markets do not exist to hedge such risk.  Non-hedgeable risk is composed of non-hedgeable financial risk and non-hedgeable non-financial risk.
О	Options and guarantees	<ul> <li>The following are some features of options and guarantees:</li> <li>Policy cash flow would be changed by exercising options granted to the policyholder, which may or may not be exercisable at the discretion of the policyholder. An example of such features is the exercise of the surrender option.</li> <li>It includes guarantee of benefits or policyholder values. An example is a minimum death benefit guarantee for variable life insurance.</li> </ul>

Term		Definition
P	Present value of	Present value of certainty-equivalent profit is the present value of profit based on
	certainty-equivalent	the future cash flows generated from the covered business.
	profit	
Q	QIS4	Quantitative Impact Study. Conducted prior to implementation of the EU Solvency
		II. The 4 <sup>th</sup> study was conducted in May 2008 and is referred to as QIS4.
	QIS5	The latest Quantitative Impact Study following the QIS4. It was executed
		between August and November 2010.
R	Required capital	MCEV Principles define required capital as the capital necessary to hold in excess
		of statutory policy reserve (excluding contingency reserve), and the larger of the
		solvency capital to meet the statutory required minimum level and the capital
		necessary to meet the internal objectives or to achieve the company's targeted
		credit rating.
		Required capital of Sony Life is set as the larger of the amount of capital
		corresponding to the solvency margin ratio of 600% and the amount of capital to
		cover risks based on the internal model.
	Risk-free rate	The reference rate defined in MCEV Principles. MCEV Principles states that it
		should be the swap rate to the currency of the cash flows.
	Risk margin	The cost to hold capital to cover non-hedgeable risks reflected in evaluating the
		insurance liability on an economic value basis.
	Risk neutral	A pseudo probability derived so that the present value of future expected values
	probability	under multiple scenarios discounted with current risk-free rates is equal to the
		current value.
	Risk neutral scenario	An interest rate scenario generated under risk-neutral probabilities.
S	Solvency II	A new solvency regulation base on economic value to be applied uniformly within
		the EU that the European Commission is preparing to implement from 2013.
Т	Technical provision	The value of liability on an economic value basis, which equals the present value of
		best estimate cash flows plus Risk Margin.
	Time value and	An option value that has two elements: time value and intrinsic value. Intrinsic
	intrinsic value	value is the option value under certainty-equivalent conditions. Time value is the
		value of options other than intrinsic value, which is calculated as the difference
		between the present value of certainty-equivalent profit and the present value of
		stochastic future profit.