

The Local Government Pension Scheme (England and Wales)

**Factors to use for Purchase of Additional Survivor Benefits** 

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#### 1 Introduction

- 1.1 Under Regulation 14A of the Local Government Pension Scheme (Benefits, Membership and Contributions) Regulations 2007 ("the Benefits Regulations") (SI 2007/1166), a member may elect to make additional contributions to the LGPS in respect of the whole or part of any period of membership occurring prior to 6<sup>th</sup> April 1988 to be credited with additional benefits in respect of a surviving nominated cohabiting partner (within the meaning of regulation 25 of the Benefits Regulations). An election must be made before 31st March 2013 or 12 months from the date a declaration is first signed under Regulation 25(2) under the Benefits Regulations, whichever is the later.
- 1.2 Regulation 24A of the Local Government Pension Scheme (Administration)
  Regulations 2008 ("the Administration Regulations") (SI 2008/239) provides further conditions relating to the purchase of additional survivor benefits ("ASBs") by members.
- 1.3 Regulation 24A of the Administration Regulations provides that the amount of the additional survivor benefits contributions ("ASBCs") paid by a member purchasing ASBs must be the amount for the time being determined by the actuary appointed by the Secretary of State.
- 1.4 Regulation 24B of the Administration Regulations provides that the amount of ASBs credited to a member who ceases contributions before the end of the payment period for a reason other than retirement on ill-health under regulations 20(2) or 20(3) of the Benefits Regulations (ie they are not likely to obtain gainful employment within three years of leaving their employment) or death must be determined by the actuary appointed by the Secretary of State.
- 1.5 The purpose of this note prepared by the Government Actuary's Department for the Department for Communities and Local Government (DCLG), and issued to them for onward transmission to administering authorities and employing authorities, is to provide the guidance referred to in Regulation 24A and 24B of the Administration Regulations and as agreed in the letter of appointment from DCLG dated 23 December 2009 with reference LGR 136/7/10.

#### Implementation and Review

- 1.6 The factors and guidance contained in this note are effective from 1 October 2012. This note replaces the previous ASB guidance dated 23 December 2009.
- 1.7 Existing ASB contracts should be revised from 1 April 2013 in accordance with Regulation 24A(8) of the Administration Regulations. The new rates for contributions from 1 April 2013 should reflect the rates in this note but based on the member's age and payment period for the original contract (rather than their age at 1 April 2013 and the remaining payment period; see Example 4).
- 1.8 The factors should continue to be reviewed periodically, depending on external circumstances, for example when changes in the actuarial assumptions adopted for other scheme factors take place, or following each triennial cycle of future valuations of the LGPS.



1.9 I have followed our normal quality processes for work conducted on public service pension matters<sup>1</sup>.

#### Limitations

- 1.10 This note should not be used for any purpose other than to determine the cost or revised cost of purchasing ASBs.
- 1.11 This note should be considered in its entirety as individual sections, if considered in isolation, may be misleading, and conclusions reached by a review of some sections on their own may be incorrect.
- 1.12 This note only covers the principles around the calculation of the cost of purchasing ASBs. Any legal advice in this area should be sought from an appropriately qualified person or source.
- 1.13 Administrators should satisfy themselves that an election to purchase ASB complies with all legislative requirements, including, but not limited to, tax requirements.

<sup>&</sup>lt;sup>1</sup> <u>The GAD Statement of Understanding</u> sets out the standards which the Department currently applies for any work carried out in this area



#### 2 Benefits purchased

- 2.1 A member may choose to pay ASBCs in respect of the whole or part of any period of membership occurring prior to 6<sup>th</sup> April 1988 in order to be credited with ASBs in respect of a surviving nominated cohabiting partner.
- 2.2 The payment of ASBCs may be made only in respect of complete years of membership unless the member chooses to pay ASBCs in respect of all of their period of membership occurring prior to 6<sup>th</sup> April 1988.
- 2.3 If a member chooses to purchase ASBs, the partner's benefits will be based on the period of membership occurring from 6<sup>th</sup> April 1988 plus the period of membership occurring before that date in respect of which the member chooses to pay ASBCs.
- 2.4 If a member stops contributing before the end of the payment period for a reason other than retirement on ill-health under regulations 20(2) or 20(3) of the Benefits Regulations or death, the ASBs which the member had applied for will be reduced prorata. The ASBs awarded is the ASBs originally applied for multiplied by the number of monthly contributions actually made divided by the number of monthly contributions that would have been paid had the contributions continued to the end of the payment period (see Example 3).
- 2.5 If a member retires on ill-health under regulations 20(2) or 20(3) of the Benefits Regulations or dies before the end of the contract, ASBs which the member had applied for will be granted to the surviving nominated cohabiting partner.



#### 3 Contributions

- 3.1 The ASBCs may be paid for over a number of years but not exceeding the period to the member's normal retirement age. For any part years, ASBC rates will need to be interpolated (see Example 2).
- 3.2 Contracts may commence at any time in the year.
- 3.3 Tables are attached to this Guidance Note that should be used in order to determine the ASBCs, expressed as a percentage of full-time equivalent salary, for an increase in respect of partner's benefits of one year.
- 3.4 The factor depends on the member's age at their last birthday at the calculation date, their sex and the sex of their partner, and on the payment period selected.
- 3.5 ASBC rates in this note are subject to change in the future. Any revision to rates would apply to any contracts that still had contributions outstanding at the time of the revision. The revised ASBC rates would take effect for existing contracts on the 1<sup>st</sup> April following the revision.
- 3.6 A member who leaves service must stop contributing for ASBs. An active member may stop contributing for ASBs if he or she notifies the administering authority in writing.



#### 4 Other considerations

4.1 Administering authorities have the option to request a medical report from members wishing to purchase ASBs and if the report does not satisfy the authority that the member is in reasonably good health, it may refuse the request. There may be a strain on the fund if a member is awarded an ill-health pension from an early age or dies leaving a young nominated cohabiting partner.

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**Government Actuary's Department** 

September 2012



#### 5 Examples

#### Example 1 - member elects to purchase all pre 6/4/88 service

Calculation date 1 March 2013

Sex of member Male

Sex of partner Male

Member's date of birth 1 July 1962

Date member joined scheme 1 March 1987

Member's age last birthday

at calculation date 50

Period to purchase 1 year 36 days (all membership before 6/4/88)

= 1.099 years [1+ 36/365]

Payment period 10 years

Factor from Table C 0.21% of FTE salary

Periodical ASBC rate 0.231% of FTE salary [0.21 x 1.099]

#### Example 2 - interpolated contribution rate

Calculation date 1 October 2013

Sex of member Female

Sex of partner Male

Member's date of birth 1 July 1963

Date member joined scheme 15 October 1985

Member's age last birthday

at calculation date 50

Period to purchase 2 years

Payment period Up to age 65 = 14 years 274 days (14.751)

Factor from Table B 0.10% (age 50 for payment period of 14 years)
Factor from Table B 0.09% (age 50 and payment period of 15 years)

Interpolated Factor 0.092% [0.751 x 0.09 + 0.249 x 0.10]

Periodical ASBC rate 0.184% of FTE salary [0.092 x 2]



#### **Example 3** – resignation before contract completed

Calculation date 1 October 2013

Sex of member Male

Sex of partner Female

Member's date of birth 1 July 1963

Member's age last birthday

at calculation date 50

Date member joined scheme 5 June 1984

Period to purchase 3 years

Payment period 10 years

Factor from Table A 0.29%

Periodical ASBC rate 0.87% of FTE salary [0.29 x 3]

Member leaves active service 30 September 2016

ASBs purchased

329 days  $[3.000 \times 36 \text{ months} / 120 \text{ months} = 0.900 \text{ years}]$ 

(see para.2.4)



### **Example 4** – revised rate for existing contract

Original calculation date 1 February 2010

Sex of member Male

Sex of partner Male

Member's date of birth 1 July 1959

Date member joined scheme 1 March 1987

Member's age last birthday at original calculation date 50

Period being purchased 1 year 36 days (all membership before 6/4/88)

= 1.099 years [1+36/365]

Payment period 10 years

Original Factor from Table C 0.26% (in guidance dated 23 December 2009)

Revised Factor from Table C 0.21% (in this guidance but based on the member's age and payment period for the original contract i.e. age 50 and a payment period of 10 years)

ASBC rate from 01/04/2013 0.231% of FTE salary [0.21 x 1.099]



# Table A - Cost of one year's additional survivor benefits - Male Member with Female Partner (1)

Age at first	Payment period (years)														
contribution	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
37	2.70%	1.34%	0.89%	0.67%	0.54%	0.45%	0.38%	0.33%	0.30%	0.27%	0.24%	0.22%	0.20%	0.19%	0.18%
38	2.70%	1.34%	0.90%	0.67%	0.54%	0.45%	0.38%	0.33%	0.30%	0.27%	0.24%	0.22%	0.21%	0.19%	0.18%
39	2.70%	1.35%	0.90%	0.67%	0.54%	0.45%	0.38%	0.33%	0.30%	0.27%	0.24%	0.22%	0.21%	0.19%	0.18%
40	2.70%	1.35%	0.90%	0.67%	0.54%	0.45%	0.38%	0.34%	0.30%	0.27%	0.25%	0.23%	0.21%	0.20%	0.18%
41	2.70%	1.35%	0.90%	0.67%	0.54%	0.45%	0.38%	0.34%	0.30%	0.27%	0.25%	0.23%	0.21%	0.20%	0.19%
42	2.70%	1.35%	0.90%	0.67%	0.54%	0.45%	0.38%	0.34%	0.30%	0.27%	0.25%	0.23%	0.21%	0.20%	0.19%
43	2.70%	1.35%	0.90%	0.67%	0.54%	0.45%	0.39%	0.34%	0.30%	0.27%	0.25%	0.23%	0.21%	0.20%	0.19%
44	2.70%	1.35%	0.90%	0.67%	0.54%	0.45%	0.39%	0.34%	0.30%	0.28%	0.25%	0.23%	0.22%	0.20%	0.19%
45	2.70%	1.35%	0.90%	0.68%	0.54%	0.45%	0.39%	0.34%	0.31%	0.28%	0.25%	0.23%	0.22%	0.20%	0.19%
46	2.70%	1.35%	0.90%	0.68%	0.54%	0.45%	0.39%	0.35%	0.31%	0.28%	0.26%	0.24%	0.22%	0.20%	0.19%
47	2.70%	1.35%	0.90%	0.68%	0.55%	0.46%	0.39%	0.35%	0.31%	0.28%	0.26%	0.24%	0.22%	0.21%	0.19%
48	2.69%	1.35%	0.90%	0.68%	0.55%	0.46%	0.40%	0.35%	0.31%	0.28%	0.26%	0.24%	0.22%	0.21%	0.20%
49	2.69%	1.35%	0.91%	0.68%	0.55%	0.46%	0.40%	0.35%	0.31%	0.28%	0.26%	0.24%	0.22%	0.21%	0.20%
50	2.71%	1.36%	0.91%	0.69%	0.55%	0.46%	0.40%	0.35%	0.32%	0.29%	0.26%	0.24%	0.23%	0.21%	0.20%
51	2.71%	1.36%	0.91%	0.69%	0.56%	0.47%	0.40%	0.35%	0.32%	0.29%	0.26%	0.24%	0.23%	0.21%	
52	2.72%	1.37%	0.92%	0.69%	0.56%	0.47%	0.40%	0.36%	0.32%	0.29%	0.27%	0.25%	0.23%		
53	2.72%	1.37%	0.92%	0.69%	0.56%	0.47%	0.41%	0.36%	0.32%	0.29%	0.27%	0.25%			
54	2.72%	1.37%	0.92%	0.70%	0.56%	0.47%	0.41%	0.36%	0.32%	0.29%	0.27%				
55	2.72%	1.37%	0.92%	0.70%	0.56%	0.47%	0.41%	0.36%	0.32%	0.29%					
56	2.72%	1.37%	0.92%	0.70%	0.56%	0.47%	0.41%	0.36%	0.32%						
57	2.72%	1.37%	0.92%	0.70%	0.56%	0.47%	0.41%	0.36%							
58	2.71%	1.37%	0.92%	0.70%	0.56%	0.47%	0.41%								
59	2.70%	1.36%	0.92%	0.69%	0.56%	0.47%									
60	2.68%	1.35%	0.91%	0.69%	0.56%										
61	2.66%	1.34%	0.91%	0.69%											
62	2.64%	1.33%	0.90%												
63	2.61%	1.32%													
64	2.59%														



## Table A – Cost of one year's additional survivor benefits – Male Member with Female Partner (2)

Age at first		Payment period (years)												
contribution	16	17	18	19	20	21	22	23	24	25	26	27	28	
37	0.17%	0.16%	0.15%	0.14%	0.14%	0.13%	0.13%	0.12%	0.12%	0.11%	0.11%	0.11%	0.10%	
38	0.17%	0.16%	0.15%	0.15%	0.14%	0.13%	0.13%	0.12%	0.12%	0.11%	0.11%	0.11%		
39	0.17%	0.16%	0.15%	0.15%	0.14%	0.13%	0.13%	0.12%	0.12%	0.12%	0.11%			
40	0.17%	0.16%	0.16%	0.15%	0.14%	0.14%	0.13%	0.13%	0.12%	0.12%				
41	0.17%	0.17%	0.16%	0.15%	0.14%	0.14%	0.13%	0.13%	0.12%					
42	0.18%	0.17%	0.16%	0.15%	0.14%	0.14%	0.13%	0.13%						
43	0.18%	0.17%	0.16%	0.15%	0.15%	0.14%	0.13%							
44	0.18%	0.17%	0.16%	0.15%	0.15%	0.14%								
45	0.18%	0.17%	0.16%	0.16%	0.15%									
46	0.18%	0.17%	0.16%	0.16%										
47	0.18%	0.17%	0.17%											
48	0.18%	0.18%												
49	0.19%													



# Table B - Cost of one year's additional survivor benefits - Female Member with Male Partner (1)

Age at first		Payment period (years)													
contribution	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
37	1.23%	0.62%	0.41%	0.31%	0.25%	0.21%	0.18%	0.16%	0.14%	0.13%	0.12%	0.11%	0.10%	0.09%	0.09%
38	1.23%	0.62%	0.41%	0.31%	0.25%	0.21%	0.18%	0.16%	0.14%	0.13%	0.12%	0.11%	0.10%	0.09%	0.09%
39	1.23%	0.62%	0.41%	0.31%	0.25%	0.21%	0.18%	0.16%	0.14%	0.13%	0.12%	0.11%	0.10%	0.09%	0.09%
40	1.24%	0.62%	0.42%	0.31%	0.25%	0.21%	0.18%	0.16%	0.14%	0.13%	0.12%	0.11%	0.10%	0.09%	0.09%
41	1.24%	0.62%	0.42%	0.31%	0.25%	0.21%	0.18%	0.16%	0.14%	0.13%	0.12%	0.11%	0.10%	0.09%	0.09%
42	1.24%	0.62%	0.42%	0.31%	0.25%	0.21%	0.18%	0.16%	0.14%	0.13%	0.12%	0.11%	0.10%	0.09%	0.09%
43	1.25%	0.63%	0.42%	0.32%	0.25%	0.21%	0.18%	0.16%	0.14%	0.13%	0.12%	0.11%	0.10%	0.09%	0.09%
44	1.25%	0.63%	0.42%	0.32%	0.25%	0.21%	0.18%	0.16%	0.14%	0.13%	0.12%	0.11%	0.10%	0.09%	0.09%
45	1.25%	0.63%	0.42%	0.32%	0.25%	0.21%	0.18%	0.16%	0.14%	0.13%	0.12%	0.11%	0.10%	0.10%	0.09%
46	1.25%	0.63%	0.42%	0.32%	0.26%	0.21%	0.18%	0.16%	0.14%	0.13%	0.12%	0.11%	0.10%	0.10%	0.09%
47	1.25%	0.63%	0.42%	0.32%	0.26%	0.21%	0.18%	0.16%	0.14%	0.13%	0.12%	0.11%	0.10%	0.10%	0.09%
48	1.25%	0.63%	0.42%	0.32%	0.26%	0.21%	0.18%	0.16%	0.15%	0.13%	0.12%	0.11%	0.10%	0.10%	0.09%
49	1.25%	0.63%	0.42%	0.32%	0.26%	0.21%	0.18%	0.16%	0.15%	0.13%	0.12%	0.11%	0.10%	0.10%	0.09%
50	1.25%	0.63%	0.42%	0.32%	0.26%	0.21%	0.18%	0.16%	0.15%	0.13%	0.12%	0.11%	0.10%	0.10%	0.09%
51	1.25%	0.63%	0.42%	0.32%	0.26%	0.21%	0.18%	0.16%	0.15%	0.13%	0.12%	0.11%	0.10%	0.10%	
52	1.25%	0.63%	0.42%	0.32%	0.26%	0.21%	0.18%	0.16%	0.15%	0.13%	0.12%	0.11%	0.10%		
53	1.25%	0.63%	0.42%	0.32%	0.26%	0.21%	0.18%	0.16%	0.15%	0.13%	0.12%	0.11%			
54	1.24%	0.63%	0.42%	0.32%	0.25%	0.21%	0.18%	0.16%	0.15%	0.13%	0.12%				
55	1.24%	0.62%	0.42%	0.32%	0.25%	0.21%	0.18%	0.16%	0.15%	0.13%					
56	1.23%	0.62%	0.42%	0.31%	0.25%	0.21%	0.18%	0.16%	0.15%						
57	1.23%	0.62%	0.41%	0.31%	0.25%	0.21%	0.18%	0.16%							
58	1.22%	0.61%	0.41%	0.31%	0.25%	0.21%	0.18%								
59	1.21%	0.61%	0.41%	0.31%	0.25%	0.21%									
60	1.20%	0.60%	0.41%	0.31%	0.25%										
61	1.18%	0.60%	0.40%	0.30%											
62	1.17%	0.59%	0.40%												
63	1.15%	0.58%													
64	1.14%														



# Table B – Cost of one year's additional survivor benefits – Female Member with Male Partner (2)

Age at first		Payment period (years)												
contribution	16	17	18	19	20	21	22	23	24	25	26	27	28	
37	0.08%	0.08%	0.07%	0.07%	0.07%	0.06%	0.06%	0.06%	0.06%	0.05%	0.05%	0.05%	0.05%	
38	0.08%	0.08%	0.07%	0.07%	0.07%	0.06%	0.06%	0.06%	0.06%	0.05%	0.05%	0.05%		
39	0.08%	0.08%	0.07%	0.07%	0.07%	0.06%	0.06%	0.06%	0.06%	0.06%	0.05%			
40	0.08%	0.08%	0.07%	0.07%	0.07%	0.06%	0.06%	0.06%	0.06%	0.06%				
41	0.08%	0.08%	0.07%	0.07%	0.07%	0.06%	0.06%	0.06%	0.06%					
42	0.08%	0.08%	0.07%	0.07%	0.07%	0.07%	0.06%	0.06%						
43	0.08%	0.08%	0.08%	0.07%	0.07%	0.07%	0.06%							
44	0.08%	0.08%	0.08%	0.07%	0.07%	0.07%								
45	0.08%	0.08%	0.08%	0.07%	0.07%									
46	0.08%	0.08%	0.08%	0.07%										
47	0.08%	0.08%	0.08%											
48	0.09%	0.08%											•	
49	0.09%												_	



# Table C – Cost of one year's additional survivor benefits – Male Member with Male Partner (1)

Age at first							Paymei	nt period (	years)						
contribution	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
37	1.96%	0.98%	0.65%	0.49%	0.39%	0.32%	0.28%	0.24%	0.22%	0.19%	0.18%	0.16%	0.15%	0.14%	0.13%
38	1.96%	0.98%	0.65%	0.49%	0.39%	0.32%	0.28%	0.24%	0.22%	0.19%	0.18%	0.16%	0.15%	0.14%	0.13%
39	1.96%	0.98%	0.65%	0.49%	0.39%	0.32%	0.28%	0.24%	0.22%	0.19%	0.18%	0.16%	0.15%	0.14%	0.13%
40	1.96%	0.98%	0.65%	0.49%	0.39%	0.33%	0.28%	0.24%	0.22%	0.20%	0.18%	0.16%	0.15%	0.14%	0.13%
41	1.97%	0.98%	0.65%	0.49%	0.39%	0.33%	0.28%	0.24%	0.22%	0.20%	0.18%	0.17%	0.15%	0.14%	0.13%
42	1.97%	0.98%	0.65%	0.49%	0.39%	0.33%	0.28%	0.25%	0.22%	0.20%	0.18%	0.17%	0.16%	0.14%	0.14%
43	1.97%	0.98%	0.66%	0.49%	0.39%	0.33%	0.28%	0.25%	0.22%	0.20%	0.18%	0.17%	0.16%	0.15%	0.14%
44	1.97%	0.99%	0.66%	0.49%	0.39%	0.33%	0.28%	0.25%	0.22%	0.20%	0.18%	0.17%	0.16%	0.15%	0.14%
45	1.97%	0.99%	0.66%	0.49%	0.39%	0.33%	0.28%	0.25%	0.22%	0.20%	0.19%	0.17%	0.16%	0.15%	0.14%
46	1.97%	0.99%	0.66%	0.49%	0.40%	0.33%	0.29%	0.25%	0.23%	0.20%	0.19%	0.17%	0.16%	0.15%	0.14%
47	1.97%	0.99%	0.66%	0.50%	0.40%	0.33%	0.29%	0.25%	0.23%	0.21%	0.19%	0.17%	0.16%	0.15%	0.14%
48	1.97%	0.99%	0.66%	0.50%	0.40%	0.34%	0.29%	0.26%	0.23%	0.21%	0.19%	0.17%	0.16%	0.15%	0.14%
49	1.97%	0.99%	0.66%	0.50%	0.40%	0.34%	0.29%	0.26%	0.23%	0.21%	0.19%	0.18%	0.16%	0.15%	0.14%
50	1.98%	1.00%	0.67%	0.50%	0.41%	0.34%	0.29%	0.26%	0.23%	0.21%	0.19%	0.18%	0.17%	0.15%	0.15%
51	1.98%	1.00%	0.67%	0.50%	0.41%	0.34%	0.29%	0.26%	0.23%	0.21%	0.19%	0.18%	0.17%	0.16%	
52	1.98%	1.00%	0.67%	0.51%	0.41%	0.34%	0.29%	0.26%	0.23%	0.21%	0.19%	0.18%	0.17%		
53	1.98%	1.00%	0.67%	0.51%	0.41%	0.34%	0.30%	0.26%	0.23%	0.21%	0.19%	0.18%			
54	1.98%	1.00%	0.67%	0.51%	0.41%	0.34%	0.30%	0.26%	0.23%	0.21%	0.20%				
55	1.98%	1.00%	0.67%	0.51%	0.41%	0.34%	0.30%	0.26%	0.24%	0.21%					
56	1.98%	1.00%	0.67%	0.51%	0.41%	0.34%	0.30%	0.26%	0.24%						
57	1.97%	0.99%	0.67%	0.51%	0.41%	0.34%	0.30%	0.26%							
58	1.96%	0.99%	0.67%	0.50%	0.41%	0.34%	0.30%								
59	1.95%	0.99%	0.66%	0.50%	0.41%	0.34%									
60	1.94%	0.98%	0.66%	0.50%	0.41%										
61	1.92%	0.97%	0.66%	0.50%											
62	1.91%	0.96%	0.65%												
63	1.89%	0.95%													
64	1.86%														



# Table C – Cost of one year's additional survivor benefits – Male Member with Male Partner (2)

Age at first		Payment period (years)													
contribution	16	17	18	19	20	21	22	23	24	25	26	27	28		
37	0.12%	0.12%	0.11%	0.11%	0.10%	0.10%	0.09%	0.09%	0.09%	0.08%	0.08%	0.08%	0.08%		
38	0.12%	0.12%	0.11%	0.11%	0.10%	0.10%	0.09%	0.09%	0.09%	0.08%	0.08%	0.08%			
39	0.12%	0.12%	0.11%	0.11%	0.10%	0.10%	0.09%	0.09%	0.09%	0.08%	0.08%				
40	0.13%	0.12%	0.11%	0.11%	0.10%	0.10%	0.10%	0.09%	0.09%	0.09%					
41	0.13%	0.12%	0.11%	0.11%	0.10%	0.10%	0.10%	0.09%	0.09%						
42	0.13%	0.12%	0.12%	0.11%	0.11%	0.10%	0.10%	0.09%							
43	0.13%	0.12%	0.12%	0.11%	0.11%	0.10%	0.10%								
44	0.13%	0.12%	0.12%	0.11%	0.11%	0.10%									
45	0.13%	0.12%	0.12%	0.11%	0.11%										
46	0.13%	0.13%	0.12%	0.11%											
47	0.13%	0.13%	0.12%												
48	0.14%	0.13%													
49	0.14%														



## Table D – Cost of one year's additional survivor benefits – Female Member with Female Partner (1)

Age at first							Paymer	nt period (	years)						
contribution	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
37	1.97%	0.98%	0.65%	0.49%	0.40%	0.33%	0.29%	0.25%	0.22%	0.20%	0.18%	0.17%	0.16%	0.15%	0.14%
38	1.97%	0.98%	0.66%	0.50%	0.40%	0.33%	0.29%	0.25%	0.22%	0.20%	0.19%	0.17%	0.16%	0.15%	0.14%
39	1.97%	0.99%	0.66%	0.50%	0.40%	0.33%	0.29%	0.25%	0.23%	0.20%	0.19%	0.17%	0.16%	0.15%	0.14%
40	1.97%	0.99%	0.66%	0.50%	0.40%	0.34%	0.29%	0.25%	0.23%	0.21%	0.19%	0.17%	0.16%	0.15%	0.14%
41	1.98%	0.99%	0.66%	0.50%	0.40%	0.34%	0.29%	0.25%	0.23%	0.21%	0.19%	0.17%	0.16%	0.15%	0.14%
42	1.98%	0.99%	0.67%	0.50%	0.40%	0.34%	0.29%	0.25%	0.23%	0.21%	0.19%	0.17%	0.16%	0.15%	0.14%
43	1.98%	0.99%	0.67%	0.50%	0.40%	0.34%	0.29%	0.26%	0.23%	0.21%	0.19%	0.17%	0.16%	0.15%	0.14%
44	1.98%	0.99%	0.67%	0.50%	0.40%	0.34%	0.29%	0.26%	0.23%	0.21%	0.19%	0.17%	0.16%	0.15%	0.14%
45	1.98%	1.00%	0.67%	0.50%	0.40%	0.34%	0.29%	0.26%	0.23%	0.21%	0.19%	0.17%	0.16%	0.15%	0.14%
46	1.98%	1.00%	0.67%	0.50%	0.40%	0.34%	0.29%	0.26%	0.23%	0.21%	0.19%	0.17%	0.16%	0.15%	0.14%
47	1.98%	1.00%	0.67%	0.50%	0.40%	0.34%	0.29%	0.26%	0.23%	0.21%	0.19%	0.17%	0.16%	0.15%	0.14%
48	1.98%	0.99%	0.67%	0.50%	0.40%	0.34%	0.29%	0.26%	0.23%	0.21%	0.19%	0.17%	0.16%	0.15%	0.14%
49	1.98%	0.99%	0.67%	0.50%	0.40%	0.34%	0.29%	0.26%	0.23%	0.21%	0.19%	0.18%	0.16%	0.15%	0.14%
50	1.98%	0.99%	0.67%	0.50%	0.40%	0.34%	0.29%	0.26%	0.23%	0.21%	0.19%	0.18%	0.16%	0.15%	0.14%
51	1.98%	1.00%	0.67%	0.50%	0.40%	0.34%	0.29%	0.26%	0.23%	0.21%	0.19%	0.18%	0.16%	0.15%	
52	1.98%	1.00%	0.67%	0.50%	0.41%	0.34%	0.29%	0.26%	0.23%	0.21%	0.19%	0.18%	0.16%		
53	1.98%	1.00%	0.67%	0.50%	0.41%	0.34%	0.29%	0.26%	0.23%	0.21%	0.19%	0.18%			
54	1.98%	1.00%	0.67%	0.50%	0.41%	0.34%	0.29%	0.26%	0.23%	0.21%	0.19%				
55	1.98%	1.00%	0.67%	0.50%	0.41%	0.34%	0.29%	0.26%	0.23%	0.21%					
56	1.98%	0.99%	0.67%	0.50%	0.41%	0.34%	0.29%	0.26%	0.23%						
57	1.97%	0.99%	0.67%	0.50%	0.41%	0.34%	0.29%	0.26%							
58	1.96%	0.99%	0.66%	0.50%	0.40%	0.34%	0.29%								
59	1.95%	0.98%	0.66%	0.50%	0.40%	0.34%									
60	1.94%	0.98%	0.66%	0.50%	0.40%										
61	1.92%	0.97%	0.65%	0.49%											
62	1.90%	0.96%	0.65%												
63	1.88%	0.95%													
64	1.86%														



## Table D – Cost of one year's additional survivor benefits – Female Member with Female Partner (2)

Age at first		Payment period (years)												
contribution	16	17	18	19	20	21	22	23	24	25	26	27	28	
37	0.13%	0.12%	0.12%	0.11%	0.11%	0.10%	0.10%	0.09%	0.09%	0.09%	0.08%	0.08%	0.08%	
38	0.13%	0.12%	0.12%	0.11%	0.11%	0.10%	0.10%	0.09%	0.09%	0.09%	0.08%	0.08%		
39	0.13%	0.12%	0.12%	0.11%	0.11%	0.10%	0.10%	0.09%	0.09%	0.09%	0.09%			
40	0.13%	0.12%	0.12%	0.11%	0.11%	0.10%	0.10%	0.10%	0.09%	0.09%				
41	0.13%	0.13%	0.12%	0.11%	0.11%	0.10%	0.10%	0.10%	0.09%					
42	0.13%	0.13%	0.12%	0.11%	0.11%	0.10%	0.10%	0.10%						
43	0.13%	0.13%	0.12%	0.11%	0.11%	0.10%	0.10%							
44	0.13%	0.13%	0.12%	0.11%	0.11%	0.10%								
45	0.13%	0.13%	0.12%	0.11%	0.11%									
46	0.13%	0.13%	0.12%	0.11%										
47	0.13%	0.13%	0.12%											
48	0.13%	0.13%												
49	0.13%													