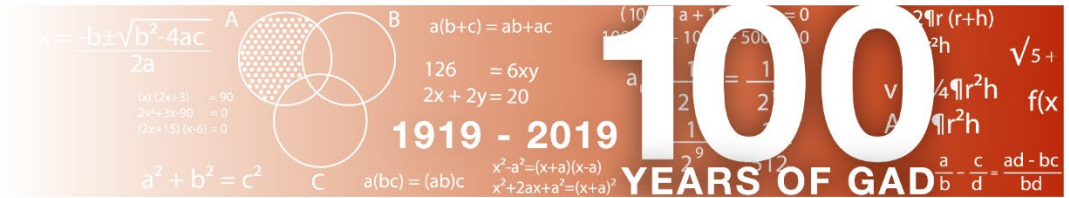




Government  
Actuary's  
Department



## Civil Servants and Others Pension Scheme (CSOPS)

Cash equivalents for pension sharing on divorce

Factors and guidance for the **alpha** scheme

Date: 17 January 2019





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## 1 Introduction

- 1.1 This note is addressed to the Cabinet Office as scheme manager of the Civil Servants and Others Pension Scheme ('CSOPS' or **alpha** scheme). The **alpha** scheme was established by The Public Service (Civil Servants and Others) Pensions Regulations 2014 (SI 2014/1964) (the 'Regulations') and came into force on 1 April 2015.
- 1.2 The purpose of this note is to provide Cabinet Office with factors to be used to calculate the cash equivalent of a member's benefits, and accompanying guidance to demonstrate how these factors should be applied, for pension sharing on divorce in respect of an **alpha** scheme member.
- 1.3 The guidance only relates to benefits in the **alpha** scheme. Benefits in the **classic**, **premium**, **nuvos** or **classic plus** schemes should be treated separately, in accordance with the relevant guidance for those schemes – that is, separate cash equivalents will be calculated for the member's alpha benefits and PCSPS benefits.
- 1.4 This guidance should be used both when a member applies for a quotation of the value of the benefits during the divorce proceedings, and after a pension sharing order has been made. We understand that this paper will be shared with MyCSP and Claybrook.
- 1.5 It is important to note that the process for adjusting cash equivalents to reflect a member's Guaranteed Minimum Pension (GMP) has changed in this guidance note. This is a result of the decision to equalise GMPs. Full details of the new approach and transitional arrangements are set out in Section 2.
- 1.6 Section 3 of this note provides general guidance on the application of actuarial factors when calculating cash equivalents for divorce purposes.
- 1.7 Section 4 contains instructions on how to calculate cash equivalents for divorce purposes for members who are already in receipt of benefits. Appendix A contains the factor tables to use for these calculations. Details of the principal assumptions underlying these factor tables are set out in Appendix B.
- 1.8 Section 5 contains guidance and instructions on how to calculate cash equivalents for divorce purposes for active and deferred members. The factor tables to use for these calculations are set out in the latest version of our guidance note entitled *Civil Servants and Others Pension Scheme (CSOPS): Cash equivalent transfer values (CETVs) for alpha members: Factors and guidance*.
- 1.9 Section 6 sets out some of the special cases that might arise and how these should be processed.
- 1.10 Section 7 contains some worked examples.
- 1.11 Any special cases that are not covered by this guidance should be treated on a case by case basis.



- 1.12 Separate instructions cover the conversion of a pension credit to pension for the ex-partner – please see the latest version of our guidance note *Civil Servants and Others Pension Scheme (CSOPS): Converting pension credit into pension: Factors and guidance for alpha members*.

### **Implementation and Review**

- 1.13 The factors provided in this note have been prepared in light of our advice to the Cabinet Office dated 30 October 2018 and its instructions following that advice.
- 1.14 Cabinet Office have confirmed that the factors in this guidance will apply from **29 October 2018**. This guidance will apply from the date issued on the cover.
- 1.15 This guidance is intended to supersede any advice previously issued for the purposes of calculating cash equivalents for pension sharing on divorce. No advice or factors issued in the past should be used for future cases. In particular, this guidance supersedes the following guidance note:
- Civil Service and Others Pension Scheme (CSOPS): Cash equivalents for pension sharing on divorce – Factors and guidance for the alpha scheme, dated 29 June 2015.*
- 1.16 This guidance has been written for pension administrators and assumes some knowledge of general pension terminology, and some familiarity with retirement calculations for the CSOPS. Any questions concerning the application of the guidance should, in the first instance, be referred to the Cabinet Office.
- 1.17 In line with best practice and in order to make sure that factors are being used as intended and the instructions are fit for purpose, we suggest that some example calculations are sent to GAD for review.
- 1.18 The factors contained in this guidance will be subject to review periodically. This will depend on external circumstances, for example whenever there is a change in the SCAPE basis; when changes in the actuarial assumptions adopted for other scheme factors take place; or following each future actuarial valuation where mortality and other relevant experience is reviewed or if other credible and material information comes to light.

### **Third Party Reliance**

- 1.19 This guidance has been prepared for the use of the Cabinet Office and the scheme administrators for the purposes of demonstrating the application of the factors covered by this guidance only. This guidance may be published on Cabinet Office's and the scheme administrator's website but must not otherwise be reproduced, distributed or communicated in whole or in part to any other person without GAD's prior written permission.



- 1.20 Other than Cabinet Office and the scheme administrators, no person or third party is entitled to place any reliance on the contents of this guidance, except to any extent explicitly stated herein. GAD has no liability to any person or third party for any action taken or for any failure to act, either in whole or in part, on the basis of this guidance, whether or not GAD has agreed to the disclosure of its advice to the third party.



## 2 Adjustments for Guaranteed Minimum Pension

### GMP equalisation: impact on calculations

- 2.1 The calculations and formulae in this guidance contain adjustments to reflect the inflationary increases on a member's Guaranteed Minimum Pension (GMP), which have historically been the responsibility of the State Scheme after GMP Payment Age.
- 2.2 In previous versions of this guidance, this GMP adjustment was applied to all cash equivalent calculations.
- 2.3 However, following the requirement to equalise GMPs, as set out in our letter "*GMP Equalisation: Calculations involving actuarial factors*" dated 20 August 2019, and with effect from the date of issue of this guidance.:

**GMP adjustment factors should no longer be applied in calculations for members who reach State Pension age (SPA) on or after 6 April 2016**

- 2.4 The cohorts of members who will be affected by this change will be:
- Males with a date of birth on or after 6 April 1951 **and** an accrued GMP
  - Females with a date of birth on or after 6 April 1953 **and** an accrued GMP
- 2.5 For affected members listed above, calculations should be undertaken using the methodology set out in this guidance note but with any GMP (pre or post 1988) set to zero.
- 2.6 For the majority of affected calculations the difference between the original and revised quotation is expected to be small, relative to the total transfer value. Not applying the GMP adjustment factors will increase the total transfer value.
- 2.7 No change should be made to existing methodology for members who reached State Pension age before 6 April 2016.

### Transitional arrangements

- 2.8 Cabinet Office have determined that the following transitional arrangements should apply to the affected members listed above.
- New requests for a quotation as part of divorce proceedings, or new calculations after a pension sharing order has been made  
GMP adjustment factors should no longer be applied.



- For existing requests for a quotation as part of divorce proceedings, but where final determination is yet to be made

Where possible to do so, the scheme administrator should identify any cases where GMP adjustment factors have been applied and provide a revised quotation. This mitigates the risk of challenge due to a failure to notify the court of a change in valuation.

- Existing requests where a pension sharing order has been made, but calculations have not yet been provided to the member

GMP adjustment factors should no longer be applied. This is the case even when the date of the calculation is prior to the date of issue of this guidance.

- Existing requests where a pension sharing order has been made, and results were provided to the member before the date of issue of this guidance.

No changes should be made to existing calculations where the member and/or ex-partner has already been provided with the results. This includes cases where a pension sharing order has already been implemented.



### 3 Cash equivalents on divorce: general considerations

- 3.1 In any divorce proceedings dealing with the division of matrimonial assets, the parties are required to disclose to each other and to the Court, all their financial interests. This will include details relating to pension benefits that are shareable regardless of whether a pension sharing order will eventually be made.
- 3.2 The calculations set out in this note determine the value of pension rights for a member of the **alpha** pension scheme, as required for the divorce proceedings. If the other party in the divorce proceedings also has **alpha** benefits, or either party has PCSPS benefits, then separate valuations are required in respect of those pension rights.
- 3.3 The calculations required and the factor tables used depend on the status of the member at the calculation date, including their age, gender, normal pension age and the date on which they will reach (or did reach) State Pension age.
- 3.4 For divorce cases in Scotland, the cash equivalent calculated in accordance with this guidance is then adjusted in accordance with regulation 4 of [the Divorce etc \(Pensions\) \(Scotland\) Regulations 2000](#) (SSI 2000/112) subject to any relevant case law, such as [McDonald v McDonald](#) [2017] UKSC 52.

#### Calculation Date

- 3.5 The **calculation date** will depend on the stage of the divorce:
- If a quotation is required for part of the proceedings, in Scottish cases, the calculation date will usually be specified by the court. For divorces in England, Wales and Northern Ireland, the calculation date used should be consistent with the date used for normal transfer value calculations (i.e. the guarantee date).
  - If the calculation is being done after a pension sharing order has been made, the calculation date should be the day on which the relevant order or provision takes effect. This is often referred to as the “transfer day”, as defined in section 29 of the Welfare Reform and Pensions Act 1999<sup>1</sup> (the 1999 Act).

#### Selection of factors

- 3.6 Factors should be selected with reference to the member’s status and age last birthday at the **calculation date**, which should be determined in line with the section above.
- 3.7 For calculations being completed after a pension sharing order has been made, there may be some time between the **calculation date** (which should be the day on which the relevant order or provision takes effect) and the date on which administrators

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<sup>1</sup> The Welfare Reform and Pensions Act 1999 ([1999 c. 30](#)) applies in England, Wales and Scotland. The corresponding legislation in Northern Ireland is Article 26 of The Welfare Reform and Pensions (Northern Ireland) Order 1999 ([1999 No. 3147](#)).





process the calculation (sometimes referred to as the “valuation day”, as defined in section 29 of the 1999 Act). In some cases, it’s possible that different sets of factors will be in force on the two dates. In these circumstances, the set of factors that are in force on the day administrators process the calculation should be used. Individual factors should be selected from this factor set with reference to the member’s or ex-partner’s status and age last birthday at the **calculation date**, in the normal way.

### **Benefits to be valued**

- 3.8 Full details of the benefits to be included in the calculation of cash equivalents for divorce purposes are set out in section 4, for members in receipt of scheme benefits, and in the latest version of our guidance note entitled *Civil Servants and Others Pension Scheme (CSOPS): Cash equivalent transfer values (CETVs) for alpha members: Factors and guidance*, for active and deferred members.
- 3.9 It is important that the amount of all relevant benefits used in the calculation should be the amount taken immediately before the **calculation date**. This is consistent with the requirements set out in section 29 of the 1999 Act:

*“Where the [pension scheme member] is in pensionable service under the scheme on the transfer day, the relevant benefits ... are the benefits or future benefits to which he would be entitled under the scheme by virtue of his shareable rights under it had his pensionable service terminated immediately before that day. Otherwise, the relevant benefits ... are the benefits or future benefits to which, immediately before the transfer day, the [member] is entitled...”*



## 4 Members already in receipt of scheme benefits: Instructions

4.1 Those in receipt of scheme benefits do not have an entitlement to a CETV. The pensioner cash equivalent can be calculated using the method and factors in this section, but **should be used for divorce purposes only**.

4.2 There are two sets of tables also set out in Appendix A:

Factor table number	Description of factors
P2CENH1	Pensioners who retired not on ill health grounds
P2CEIH1	Pensioners who retired on ill health grounds

4.3 The age of the member should be taken at the calculation date (see Section 3).

4.4 Benefits should also be taken at the calculation date. In particular, the member's pension should be the current annual rate of pension payable and the partner's pension should be the annual rate which would be payable if the member died on the calculation date (for this purpose, it should be assumed that an eligible partner exists). The last increase should be that awarded up to and including the April increase immediately before the calculation date.

4.5 For the subset of members who reached State Pension age before 6 April 2016 and have an accrued Guaranteed Minimum Pension (GMP), the cash equivalent needs to be adjusted to reflect increases on the GMP that are the responsibility of the State. Further details are set out in Section 2. For these members, separate pre and post 1988 GMP figures need to be used. The amounts to use are the current annual amounts of GMP in payment at the calculation date. No adjustment should be applied to the cash equivalent for any other members.



4.6 The pensioner cash equivalent (CE) should be calculated as:

$$CE = P \times F_x^P + S \times F_x^S - (G^{pre} \times F_x^{Gpre} + G^{post} \times F_x^{Gpost})$$

where:

$P$	=	current member's annual pension at the calculation date
$S$	=	partner's annual pension at the calculation date
$G^{pre}$	=	annual pre-88 GMP at the calculation date (for members who reached SPA before 6 April 2016)
		<u>or</u>
		zero (for members who reached SPA on or after 6 April 2016)
$G^{post}$	=	annual post-88 GMP at the calculation date (for members who reached SPA before 6 April 2016)
		<u>or</u>
		zero (for members who reached SPA on or after 6 April 2016)
$F_x^P$	=	member's pension factor for a member aged x last birthday at the calculation date, taken from Table P2CENH1 or P2CEIH1 as appropriate.
$F_x^S$	=	partner's pension factor for a member aged x last birthday at the calculation date, taken from Table P2CENH1 or P2CEIH1 as appropriate
$F_x^{Gpre}$	=	pre-88 GMP factor for a member aged x last birthday at the calculation date, taken from table P2CENH1 or P2CEIH1 as appropriate
$F_x^{Gpost}$	=	post-88 GMP factor for a member aged x last birthday at the calculation date, taken from table P2CENH1 or P2CEIH1 as appropriate



## **5 Active or deferred member aged under NPA or over NPA: Instructions**

- 5.1 Where the active or deferred member's benefits have not yet come into payment, the cash equivalent transfer value (CETV) should be quoted. This should be calculated using the same approach as would apply to a normal CETV (i.e. non-Club transfer out), even if the member is not normally entitled to a transfer value.
- 5.2 Please refer to the latest guidance note *Civil Servants and Others Pension Scheme (CSOPS): Cash equivalent transfer values (CETVs) for alpha members: Factors and guidance* for the calculation formulae and the factor tables to use.
- 5.3 For the avoidance of doubt, separate calculations should be done where a member has benefits with different pension ages (e.g., because the member has purchased an EPA (effective pension age) or EEPA (enhanced effective pension age) on some of their benefits) and the resultant answers added together to give the total cash equivalent.
- 5.4 Cash equivalents for divorce purposes involving active or deferred members over age 75 years can be referred to GAD.



## 6 Special cases

### Partially retired members

- 6.1 For a divorcing member who has taken partial retirement, separate cash equivalents should be calculated at the calculation date for the pensions in payment (in line with Section 4) and the benefits relating to the benefit not taken at partial retirement plus any additional accrual (in line with Section 5). The resultant answers added together will give the total cash equivalent.

### Members with two or more separate employments

- 6.2 Separate cash equivalents should be calculated for a divorcing member with two or more separate **alpha** scheme employments that have not been aggregated. A cash equivalent should be calculated for each separate benefit and the resultant answers added together will give the total cash equivalent.

### Members with one or more existing pension debits

- 6.3 Where a member has one or more pension debits (either in respect of a previous divorce or one or more annual allowance tax charges), the cash equivalent should be calculated in two stages.
1. The gross cash equivalent should be calculated ignoring all pension debits.
  2. The value of each pension debit (revalued to the calculation date) should be calculated as the cash equivalent of a deferred pension of the same amount as the debit.
- 6.4 The final cash equivalent to be used for divorce purposes is the gross cash equivalent calculated in stage one, less the value of all pension debits calculated in stage two.

### Members with both PCSPS and alpha benefits

- 6.5 The cash equivalent of the PCSPS benefits of a divorcing **alpha** scheme member should be calculated in line with the latest version of the PCSPS guidance note:

*Principal Civil Service Pension Scheme (PCSPS): Cash equivalents for pension sharing on divorce: Factors and guidance for classic, classic plus, premium and nuvos members*

- 6.6 For the avoidance of doubt, a final salary benefit arising from a club transfer payment is a PCSPS benefit.



## 7 Worked Examples

### Example 1: Male pensioner below SPA (ill health)

Date of birth	18/08/1964
Sex	Male
Date of State Pension age	18/08/2031
Calculation date	15/04/2020
Age last birthday	55 years
Type of pension	ill health pensioner
Amount of current annual pension at calculation date	£5,600
Amount of annual partner pension at calculation date	£2,100
Amount of annual pre 88 GMP at calculation date	N/A*
Amount of annual post 88 GMP at calculation date	N/A*

\* This member will reach State Pension Age on or after 6 April 2016. In line with section 2 of this guidance, pre-88 GMP and post-88 GMP should be set to zero.

Relevant table	P2CEIH1
Pension factor	22.34
Partner's pension factor	1.95
Pre-88 GMP deduction factor	3.49
Post-88 GMP deduction factor	0.52

$$\begin{aligned} \text{CE} &= £5,600.00 \times 22.34 + £2,100.00 \times 1.95 - (0.00 \times 3.49 + 0.00 \times 0.52) \\ &= \underline{\underline{£129,199.00}} \end{aligned}$$



**Example 2: Female pensioner below SPA (not on ill health)**

Date of birth	18/08/1964
Sex	Female
Date of State Pension age	18/08/2031
Calculation date	15/04/2020
Age last birthday	55 years
Type of pensioner	Not ill health
Amount of current annual pension at calculation date	£5,600
Amount of annual partner pension at calculation date	£2,100
Amount of annual pre 88 GMP at calculation date	N/A*
Amount of annual post 88 GMP at calculation date	N/A*

*\* This member will reach State Pension Age on or after 6 April 2016. In line with section 2 of this guidance, pre-88 GMP and post-88 GMP should be set to zero.*

Relevant table	P2CENH1
Pension factor	22.34
Partner's pension factor	1.95
Pre-88 GMP deduction factor	2.92
Post-88 GMP deduction factor	0.44

$$\begin{aligned} \text{CE} &= \text{£}5,600.00 \times 22.34 + \text{£}2,100.00 \times 1.95 - (0.00 \times 2.92 + 0.00 \times 0.44) \\ &= \text{£}129,199.00 \end{aligned}$$



**Example 3: Male pensioner above SPA (SPA before 6 April 2016)**

Date of birth	18/08/1950
Sex	Male
Date of State Pension age	18/08/2015
Calculation date	15/04/2020
Age last birthday	69 years
Type of pension	Not ill health
Amount of current annual pension at calculation date	£5,600
Amount of annual partner pension at calculation date	£2,100
Amount of annual pre 88 GMP at calculation date	£150*
Amount of annual post 88 GMP at calculation date	£350*

*\* This member reached State Pension Age before 6 April 2016 and has an accrued GMP. In line with section 2 of this guidance, a GMP adjustment should be applied to the calculation.*

Relevant table	P2CENH1
Pension factor	15.07
Partner's pension factor	2.08
Pre-88 GMP deduction factor	2.94
Post-88 GMP deduction factor	0.43

$$\begin{aligned} \text{CE} &= \text{£}5,600.00 \times 15.07 + \text{£}2,100.00 \times 2.08 - (\text{£}150.00 \times 2.94 + \text{£}350.00 \times 0.43) \\ &= \underline{\underline{\text{£}88,168.50}} \end{aligned}$$





#### Example 4: Female pensioner with two alpha pensions

The member has an alpha pension in payment (benefit 1) and since retirement is also accruing further alpha benefits (benefit 2). Cash equivalents are calculated for benefit 1 and benefit 2 and added together to give the total cash equivalent.

Date of birth	18/08/1955
Sex	Female
Date of State Pension age	18/08/2021
Calculation date	15/04/2020
Age last birthday	64 years

#### Benefit 1: Pensions in payment

Type of pension	Not ill health
Amount of current annual pension at calculation date	£5,600
Amount of annual partner pension at calculation date	£2,100
Amount of annual pre 88 GMP at calculation date	N/A*
Amount of annual post 88 GMP at calculation date	N/A*

*\* This member will reach State Pension Age on or after 6 April 2016. In line with section 2 of this guidance, pre-88 GMP and post-88 GMP should be set to zero.*

Relevant table	P2CENH1
Pension factor	17.86
Partner's pension factor	2.11
Pre-88 GMP deduction factor	3.48
Post-88 GMP deduction factor	0.53

Benefit 1:

$$\begin{aligned} \text{CE} &= \text{£}5,600.00 \times 17.86 + \text{£}2,100.00 \times 2.11 - (0.00 \times 3.48 + 0.00 \times 0.53) \\ &= \text{£}104,447.00 \end{aligned}$$



### Benefit 2: Still accruing alpha benefits at calculation date

The cash equivalent should be calculated under Section 5 of this note. The pension benefits should include accrual up to the calculation date only.

Please refer to the latest version of our guidance note *CSOPS: Factors for cash equivalent transfer values (CETVs) for alpha members* for the tables and formulae to calculate the cash equivalent.

Normal pension age	66 years
Amount of accrued annual pension at calculation date	£1,600
Amount of accrued annual partner pension at calculation date	£600

Relevant tables	P2CETV66 / P2CETVREVAL
Number of 1 Aprils to NPA	1
Pension factor	15.92
Partner's pension factor	2.04
Revaluation factor	1.02

Benefit 2:

$$\begin{aligned} \text{CE} &= (£1,600.00 \times 15.92 + £600.00 \times 2.04) \times 1.02 \\ &= £27,229.92 \end{aligned}$$

$$\begin{aligned} \text{Total CE} &= £104,447.00 + £27,229.92 \\ &= \underline{\underline{£131,676.92}} \end{aligned}$$



## 8 Limitations of this guidance

- 8.1 This guidance should not be used for any purpose other than those set out in this guidance.
- 8.2 The factors contained in this guidance are subject to regular review. Scheme managers and administrators need to ensure that they are using the latest factors, as relevant, when processing cases.
- 8.3 Advice provided by GAD must be taken in context and is intended to be considered in its entirety. Individual sections, if considered in isolation, may be misleading, and conclusions reached by a review of some sections on their own may be incorrect. GAD does not accept responsibility for advice that is altered or used selectively. Clarification should be sought if there is any doubt about the intention or scope of advice provided by GAD.
- 8.4 This guidance only covers the actuarial principles around the calculation and application of cash equivalent factors for pension sharing on divorce. Any legal advice in this area should be sought from an appropriately qualified person or source.
- 8.5 Scheme managers and administrators should satisfy themselves that cash equivalent transfer value for pension sharing on divorce calculations and benefit awards comply with all legislative requirements including, but not limited to, tax and contracting-out requirements.
- 8.6 This guidance is based on the Regulations in force at the time of writing. It is possible that future changes to the Regulations might create inconsistencies between this guidance and the Regulations. If users of this guidance believe there to be any such inconsistencies, they should bring this to the attention of the Cabinet Office and GAD. Under no circumstances should this guidance take precedence over the Regulations. Administrators should ensure that they comply with all relevant Regulations.



## Appendix A: Factor tables

### List of Tables

- Table P2CENH1 (**Table 301 in the consolidated factors spreadsheet**): alpha – pensioner cash equivalents on divorce factors – pensioners not on ill health
- Table P2CEIH1 (**Table 302 in the consolidated factors spreadsheet**): alpha - pensioner cash equivalents on divorce factors – pensioners on ill health



**Table P2CENH1 (Table 301 in consolidated factors spreadsheet): alpha – pensioner cash equivalents on divorce factors – pensioners not on ill health**

Age	Male				Female			
	Gross pension of £1 a year	Partner's pension of £1 a year	Deduction for GMP of £1 a year Pre-88	Deduction for GMP of £1 a year Post-88	Gross pension of £1 a year	Partner's pension of £1 a year	Deduction for GMP of £1 a year Pre-88	Deduction for GMP of £1 a year Post-88
55	22.34	1.95	3.49	0.52	22.34	1.95	2.92	0.44
56	21.87	1.98	3.49	0.52	21.87	1.98	2.92	0.44
57	21.40	2.00	3.49	0.52	21.40	2.00	2.92	0.44
58	20.92	2.03	3.49	0.52	20.92	2.03	2.92	0.44
59	20.43	2.05	3.50	0.52	20.43	2.05	2.99	0.46
60	19.93	2.07	3.50	0.52	19.93	2.07	3.11	0.47
61	19.42	2.09	3.51	0.52	19.42	2.09	3.20	0.49
62	18.91	2.11	3.52	0.52	18.91	2.11	3.29	0.50
63	18.39	2.12	3.53	0.52	18.39	2.12	3.38	0.51
64	17.86	2.11	3.62	0.53	17.86	2.11	3.48	0.53
65	17.32	2.10	3.63	0.53	17.32	2.10	3.45	0.52
66	16.78	2.11	3.45	0.51	16.78	2.11	3.28	0.50
67	16.24	2.12	3.28	0.48	16.24	2.12	3.12	0.47
68	15.67	2.13	3.11	0.45	15.67	2.13	2.95	0.44
69	15.07	2.08	2.94	0.43	15.07	2.08	2.79	0.42
70	14.47	2.04	2.78	0.40	14.47	2.04	2.63	0.39
71	13.88	2.03	2.61	0.37	13.88	2.03	2.47	0.37
72	13.29	2.03	2.45	0.35	13.29	2.03	2.32	0.34
73	12.70	2.02	2.29	0.33	12.70	2.02	2.17	0.32
74	12.12	1.91	2.13	0.30	12.12	1.91	2.02	0.29
75	11.54	1.80	1.98	0.28	11.54	1.80	1.88	0.27
76	10.97	1.78	1.84	0.26	10.97	1.78	1.74	0.25
77	10.40	1.76	1.70	0.24	10.40	1.76	1.61	0.23
78	9.84	1.73	1.56	0.22	9.84	1.73	1.48	0.21
79	9.28	1.57	1.43	0.20	9.28	1.57	1.36	0.19
80	8.73	1.41	1.31	0.18	8.73	1.41	1.24	0.18
81	8.19	1.38	1.20	0.17	8.19	1.38	1.13	0.16
82	7.66	1.34	1.08	0.15	7.66	1.34	1.02	0.14
83	7.15	1.31	0.98	0.13	7.15	1.31	0.91	0.13
84	6.64	1.13	0.87	0.12	6.64	1.13	0.82	0.11
85	6.16	0.97	0.78	0.11	6.16	0.97	0.73	0.10
86	5.70	0.93	0.69	0.09	5.70	0.93	0.64	0.09
87	5.27	0.89	0.61	0.08	5.27	0.89	0.57	0.08
88	4.87	0.84	0.54	0.07	4.87	0.84	0.50	0.07
89	4.49	0.67	0.47	0.06	4.49	0.67	0.44	0.06
90	4.14	0.51	0.41	0.06	4.14	0.51	0.39	0.05
91	3.81	0.48	0.36	0.05	3.81	0.48	0.34	0.05
92	3.51	0.45	0.32	0.04	3.51	0.45	0.30	0.04
93	3.23	0.42	0.27	0.04	3.23	0.42	0.26	0.04
94	2.98	0.39	0.24	0.03	2.98	0.39	0.23	0.03
95	2.75	0.36	0.21	0.03	2.75	0.36	0.20	0.03
96	2.55	0.33	0.18	0.02	2.55	0.33	0.17	0.02
97	2.37	0.31	0.15	0.02	2.37	0.31	0.15	0.02
98	2.22	0.28	0.13	0.02	2.22	0.28	0.13	0.02



**Table P2CEIH1 (Table 302 in consolidated factors spreadsheet): alpha – pensioner cash equivalents on divorce factors – pensioners on ill health**

Age	Male				Female			
	Gross pension of £1 a year	Partner's pension of £1 a year	Deduction for GMP of £1 a year Pre-88	Deduction for GMP of £1 a year Post-88	Gross pension of £1 a year	Partner's pension of £1 a year	Deduction for GMP of £1 a year Pre-88	Deduction for GMP of £1 a year Post-88
20	33.85	0.98	3.65	0.55	33.85	0.98	3.05	0.47
21	33.64	1.00	3.64	0.55	33.64	1.00	3.05	0.47
22	33.41	1.03	3.63	0.54	33.41	1.03	3.04	0.47
23	33.18	1.05	3.63	0.54	33.18	1.05	3.04	0.47
24	32.95	1.08	3.62	0.54	32.95	1.08	3.03	0.47
25	32.71	1.10	3.62	0.54	32.71	1.10	3.03	0.47
26	32.46	1.13	3.61	0.54	32.46	1.13	3.02	0.47
27	32.21	1.16	3.60	0.54	32.21	1.16	3.02	0.46
28	31.95	1.18	3.60	0.54	31.95	1.18	3.01	0.46
29	31.69	1.21	3.59	0.54	31.69	1.21	3.01	0.46
30	31.42	1.24	3.59	0.54	31.42	1.24	3.00	0.46
31	31.14	1.26	3.58	0.53	31.14	1.26	3.00	0.46
32	30.86	1.29	3.58	0.53	30.86	1.29	2.99	0.46
33	30.57	1.32	3.57	0.53	30.57	1.32	2.99	0.46
34	30.27	1.35	3.56	0.53	30.27	1.35	2.98	0.46
35	29.97	1.38	3.56	0.53	29.97	1.38	2.98	0.46
36	29.66	1.41	3.55	0.53	29.66	1.41	2.97	0.46
37	29.34	1.43	3.55	0.53	29.34	1.43	2.97	0.46
38	29.02	1.46	3.55	0.53	29.02	1.46	2.96	0.45
39	28.69	1.49	3.54	0.53	28.69	1.49	2.96	0.45
40	28.35	1.52	3.54	0.53	28.35	1.52	2.96	0.45
41	28.01	1.55	3.53	0.52	28.01	1.55	2.95	0.45
42	27.65	1.58	3.53	0.52	27.65	1.58	2.95	0.45
43	27.29	1.61	3.52	0.52	27.29	1.61	2.94	0.45
44	26.93	1.64	3.52	0.52	26.93	1.64	2.94	0.45
45	26.55	1.67	3.52	0.52	26.55	1.67	2.94	0.45
46	26.17	1.70	3.51	0.52	26.17	1.70	2.93	0.45
47	25.78	1.73	3.51	0.52	25.78	1.73	2.93	0.45
48	25.38	1.76	3.51	0.52	25.38	1.76	2.93	0.45
49	24.97	1.79	3.50	0.52	24.97	1.79	2.92	0.45
50	24.55	1.81	3.50	0.52	24.55	1.81	2.92	0.45
51	24.12	1.84	3.50	0.52	24.12	1.84	2.92	0.45
52	23.69	1.87	3.49	0.52	23.69	1.87	2.92	0.45
53	23.25	1.90	3.49	0.52	23.25	1.90	2.92	0.45
54	22.80	1.93	3.49	0.52	22.80	1.93	2.92	0.44
55	22.34	1.95	3.49	0.52	22.34	1.95	2.92	0.44
56	21.87	1.98	3.49	0.52	21.87	1.98	2.92	0.44
57	21.40	2.00	3.49	0.52	21.40	2.00	2.92	0.44
58	20.92	2.03	3.49	0.52	20.92	2.03	2.92	0.44
59	20.43	2.05	3.50	0.52	20.43	2.05	2.99	0.46
60	19.93	2.07	3.50	0.52	19.93	2.07	3.11	0.47
61	19.42	2.09	3.51	0.52	19.42	2.09	3.20	0.49
62	18.91	2.11	3.52	0.52	18.91	2.11	3.29	0.50
63	18.39	2.12	3.53	0.52	18.39	2.12	3.38	0.51
64	17.86	2.11	3.62	0.53	17.86	2.11	3.48	0.53
65	17.32	2.10	3.63	0.53	17.32	2.10	3.45	0.52
66	16.78	2.11	3.45	0.51	16.78	2.11	3.28	0.50



**Table P2CEIH1 (Table 302 in consolidated factors spreadsheet): alpha - pensioner cash equivalents on divorce factors – pensioners on ill health (continued)**

Age	Male				Female			
	Gross pension of £1 a year	Partner's pension of £1 a year	Deduction for GMP of £1 a year Pre-88	Deduction for GMP of £1 a year Post-88	Gross pension of £1 a year	Partner's pension of £1 a year	Deduction for GMP of £1 a year Pre-88	Deduction for GMP of £1 a year Post-88
67	16.24	2.12	3.28	0.48	16.24	2.12	3.12	0.47
68	15.67	2.13	3.11	0.45	15.67	2.13	2.95	0.44
69	15.07	2.08	2.94	0.43	15.07	2.08	2.79	0.42
70	14.47	2.04	2.78	0.40	14.47	2.04	2.63	0.39
71	13.88	2.03	2.61	0.37	13.88	2.03	2.47	0.37
72	13.29	2.03	2.45	0.35	13.29	2.03	2.32	0.34
73	12.70	2.02	2.29	0.33	12.70	2.02	2.17	0.32
74	12.12	1.91	2.13	0.30	12.12	1.91	2.02	0.29
75	11.54	1.80	1.98	0.28	11.54	1.80	1.88	0.27
76	10.97	1.78	1.84	0.26	10.97	1.78	1.74	0.25
77	10.40	1.76	1.70	0.24	10.40	1.76	1.61	0.23
78	9.84	1.73	1.56	0.22	9.84	1.73	1.48	0.21
79	9.28	1.57	1.43	0.20	9.28	1.57	1.36	0.19
80	8.73	1.41	1.31	0.18	8.73	1.41	1.24	0.18
81	8.19	1.38	1.20	0.17	8.19	1.38	1.13	0.16
82	7.66	1.34	1.08	0.15	7.66	1.34	1.02	0.14
83	7.15	1.31	0.98	0.13	7.15	1.31	0.91	0.13
84	6.64	1.13	0.87	0.12	6.64	1.13	0.82	0.11
85	6.16	0.97	0.78	0.11	6.16	0.97	0.73	0.10
86	5.70	0.93	0.69	0.09	5.70	0.93	0.64	0.09
87	5.27	0.89	0.61	0.08	5.27	0.89	0.57	0.08
88	4.87	0.84	0.54	0.07	4.87	0.84	0.50	0.07
89	4.49	0.67	0.47	0.06	4.49	0.67	0.44	0.06
90	4.14	0.51	0.41	0.06	4.14	0.51	0.39	0.05
91	3.81	0.48	0.36	0.05	3.81	0.48	0.34	0.05
92	3.51	0.45	0.32	0.04	3.51	0.45	0.30	0.04
93	3.23	0.42	0.27	0.04	3.23	0.42	0.26	0.04
94	2.98	0.39	0.24	0.03	2.98	0.39	0.23	0.03
95	2.75	0.36	0.21	0.03	2.75	0.36	0.20	0.03
96	2.55	0.33	0.18	0.02	2.55	0.33	0.17	0.02
97	2.37	0.31	0.15	0.02	2.37	0.31	0.15	0.02
98	2.22	0.28	0.13	0.02	2.22	0.28	0.13	0.02



## Appendix B: Assumptions underlying factors

### Financial assumptions

Nominal discount rate	4.448% pa
CPI	2.00% pa
Real discount rate (in excess of CPI)	2.40% pa

### Mortality assumptions

Base mortality tables	S2NMA and S2NFA
Base table adjustment	Members: 104% of S2NMA for males and 104% of S2NFA for females (as per 2016 valuation)
Future mortality improvement	Dependants: 117% of S2NMA for males and 100% of S2DFA for females (as per 2016 valuation) Based on ONS principal UK population projections 2016
Year of Use	2020

### Other assumptions

Proportion of male members for the purpose of unisexing factors	50%
Age difference between member and partner	Males assumed to be 3 years older than partner and females assumed to be 2 years younger than partner
Proportions partnered	As per 2016 valuation. Consistent with the assumption that 73% of males and 50% of female were partnered at retirement.