

**VOLUME 7B, APPENDIX F: “SURVIVOR BENEFIT PLAN (SBP)/RETIRED
SERVICEMAN’S FAMILY PROTECTION PLAN (RSFPP) COMPOUND INTEREST
TABLE”**

SUMMARY OF MAJOR CHANGES

Changes are identified in this table and also denoted by [blue font](#).

Substantive revisions are denoted by an asterisk (*) symbol preceding the section, paragraph, table, or figure that includes the revision.

Unless otherwise noted, chapters referenced are contained in this volume.

Hyperlinks are denoted by [bold, italic, blue, and underlined font](#).

The previous version dated [April 2019](#) is archived.

PARAGRAPH	EXPLANATION OF CHANGE/REVISION	PURPOSE
All	Updated hyperlinks and formatting to comply with current administrative instructions.	Revision
F00103	Deleted “Authoritative Guidance” to conform with other appendix structures.	Deletion
Table F-1	Updated all Compound Interest Factors.	Revision
References	Added “SBP/RSFPP Compound Interest Table” reference source based on memorandum dated September 22, 2020, from the Department of Defense Office of the Actuary.	Addition

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APPENDIX F**SURVIVOR BENEFIT PLAN (SBP)/RETIRED SERVICEMAN'S FAMILY
PROTECTION PLAN (RSFPP) COMPOUND INTEREST TABLE*****1.0 GENERAL (F001)****1.1 Overview (F00101)**

In some circumstances, a retiree can become responsible for past SBP costs plus accrued interest. For example, when the level of Survivor Benefit Plan (SBP) coverage is increased, the retired member becomes responsible for the costs that would have been incurred had the higher level of coverage been elected originally, plus compounded interest.

1.2 Purpose (F00102)

Annually, the DoD Office of the Actuary (OACT) releases a memorandum establishing the premium annuity factors that are to be used to determine how much a retiree owes for past SBP premiums when accrued interest is an additional cost as shown on Table F-1. The OACT memorandum may be found on OACT website under SBP Determining Past and Delinquent Premiums with Interest.

*Table F-1. SBP/RSFPP COMPOUND INTEREST TABLE
(Period October 1, 2021 – Current Date)

Total PaymentsDue	Compound Interest Factor	Total PaymentsDue	Compound Interest Factor	Total Payments Due	Compound Interest Factor
1	1.00000	41	42.00918	81	85.05318
2	2.00121	42	43.06007	82	86.15622
3	3.00364	43	44.11223	83	87.26059
4	4.00727	44	45.16567	84	88.36630
5	5.01213	45	46.22039	85	89.47334
6	6.01820	46	47.27638	86	90.58173
7	7.02549	47	48.33365	87	91.69146
8	8.03400	48	49.39220	88	92.80254
9	9.04373	49	50.45203	89	93.91496
10	10.05469	50	51.51315	90	95.02873
11	11.06687	51	52.57556	91	96.14385
12	12.08028	52	53.63925	92	97.26032
13	13.09491	53	54.70423	93	98.37814
14	14.11077	54	55.77049	94	99.49732
15	15.12787	55	56.83806	95	100.61785
16	16.14619	56	57.90691	96	101.73974
17	17.16575	57	58.97706	97	102.86299
18	18.18655	58	60.04850	98	103.98760
19	19.20858	59	61.12125	99	105.11357
20	20.23185	60	62.19529	100	106.24090
21	21.25636	61	63.27063	101	107.36960
22	22.28211	62	64.34728	102	108.49967
23	23.30910	63	65.42523	103	109.63111
24	24.33734	64	66.50449	104	110.76392
25	25.36682	65	67.58505	105	111.89810
26	26.39755	66	68.66692	106	113.03365
27	27.42953	67	69.75011	107	114.17058
28	28.46276	68	70.83460	108	115.30889
29	29.49724	69	71.92041	109	116.44858
30	30.53297	70	73.00754	110	117.58964
31	31.56996	71	74.09598	111	118.73209
32	32.60820	72	75.18574	112	119.87592
33	33.64770	73	76.27682	113	121.02114
34	34.68846	74	77.36922	114	122.16775
35	35.73049	75	78.46295	115	123.31574
36	36.77377	76	79.55800	116	124.46513
37	37.81832	77	80.65438	117	125.61591
38	38.86413	78	81.75208	118	126.76808
39	39.91121	79	82.85112	119	127.92165
40	40.95956	80	83.95148	120	129.07661

Months Since End of Premium Period (MSEPP) 1.00121

Premium Adjustment Factor (PAF) 1.00061

Multiply Current Premium by Factor in Table by MSEPP Raised to the Number of Months Since Last Premium Divided by PAF

Based on 4.00% Interest Rate, 2.5% COLA yielding 1.46%

Geometric Real Interest Rate = 1.04/1.025 - 1

*Table F-1. SBP/RSFPP COMPOUND INTEREST TABLE (Continued)
(Period October 1, 2021 – Current Date)

Total Payments Due	Compound Interest Factor	Total Payments Due	Compound Interest Factor	Total Payments Due	Compound Interest Factor
121	130.23298	161	177.65454	201	227.42909
122	131.39074	162	178.86975	202	228.70460
123	132.54991	163	180.08643	203	229.98166
124	133.71048	164	181.30459	204	231.26026
125	134.87246	165	182.52423	205	232.54041
126	136.03585	166	183.74534	206	233.82211
127	137.20064	167	184.96793	207	235.10537
128	138.36685	168	186.19200	208	236.39017
129	139.53447	169	187.41755	209	237.67654
130	140.70350	170	188.64459	210	238.96446
131	141.87395	171	189.87312	211	240.25395
132	143.04582	172	191.10313	212	241.54499
133	144.21910	173	192.33464	213	242.83760
134	145.39381	174	193.56763	214	244.13178
135	146.56994	175	194.80212	215	245.42752
136	147.74750	176	196.03811	216	246.72483
137	148.92648	177	197.27559	217	248.02372
138	150.10689	178	198.51457	218	249.32418
139	151.28873	179	199.75505	219	250.62621
140	152.47201	180	200.99704	220	251.92982
141	153.65671	181	202.24053	221	253.23501
142	154.84285	182	203.48552	222	254.54178
143	156.03043	183	204.73203	223	255.85013
144	157.21945	184	205.98004	224	257.16007
145	158.40990	185	207.22957	225	258.47160
146	159.60180	186	208.48061	226	259.78471
147	160.79515	187	209.73316	227	261.09942
148	161.98993	188	210.98723	228	262.41572
149	163.18617	189	212.24282	229	263.73361
150	164.38386	190	213.49994	230	265.05310
151	165.58299	191	214.75857	231	266.37419
152	166.78358	192	216.01873	232	267.69687
153	167.98562	193	217.28042	233	269.02116
154	169.18912	194	218.54364	234	270.34706
155	170.39408	195	219.80838	235	271.67456
156	171.60050	196	221.07466	236	273.00367
157	172.80837	197	222.34247	237	274.33439
158	174.01772	198	223.61182	238	275.66672
159	175.22852	199	224.88270	239	277.00066
160	176.44080	200	226.15513	240	278.33622

Months Since End of Premium Period (MSEPP) 1.00121

Premium Adjustment Factor (PAF) 1.00061

Multiply Current Premium by Factor in Table by MSEPP Raised to the Number of Months Since Last Premium Divided by PAF

Based on 4.00% Interest Rate, 2.5% COLA yielding 1.46%

Geometric Real Interest Rate = $1.04/1.025 - 1$

*Table F-1. SBP/RSFPP COMPOUND INTEREST TABLE (Continued)
(Period October 1, 2021 – Current Date)

Total PaymentsDue	Compound Interest Factor	Total Payments Due	Compound Interest Factor	Total Payments Due	Compound Interest Factor
241	279.67340	281	334.51001	321	392.06754
242	281.01220	282	335.91524	322	393.54249
243	282.35262	283	337.32217	323	395.01923
244	283.69467	284	338.73080	324	396.49776
245	285.03834	285	340.14114	325	397.97808
246	286.38363	286	341.55319	326	399.46020
247	287.73056	287	342.96695	327	400.94411
248	289.07912	288	344.38243	328	402.42981
249	290.42931	289	345.79961	329	403.91732
250	291.78114	290	347.21852	330	405.40663
251	293.13461	291	348.63914	331	406.89774
252	294.48971	292	350.06149	332	408.39066
253	295.84646	293	351.48555	333	409.88539
254	297.20485	294	352.91135	334	411.38193
255	298.56489	295	354.33887	335	412.88028
256	299.92657	296	355.76811	336	414.38044
257	301.28991	297	357.19909	337	415.88243
258	302.65489	298	358.63181	338	417.38623
259	304.02153	299	360.06626	339	418.89186
260	305.38982	300	361.50245	340	420.39931
261	306.75977	301	362.94037	341	421.90858
262	308.13139	302	364.38004	342	423.41968
263	309.50466	303	365.82145	343	424.93262
264	310.87960	304	367.26461	344	426.44739
265	312.25620	305	368.70952	345	427.96399
266	313.63447	306	370.15618	346	429.48243
267	315.01441	307	371.60459	347	431.00270
268	316.39602	308	373.05475	348	432.52483
269	317.77930	309	374.50668	349	434.04879
270	319.16426	310	375.96036	350	435.57460
271	320.55090	311	377.41580	351	437.10226
272	321.93922	312	378.87300	352	438.63177
273	323.32922	313	380.33197	353	440.16313
274	324.72090	314	381.79271	354	441.69635
275	326.11427	315	383.25522	355	443.23142
276	327.50933	316	384.71949	356	444.76836
277	328.90608	317	386.18555	357	446.30715
278	330.30452	318	387.65337	358	447.84781
279	331.70465	319	389.12298	359	449.39034
280	333.10648	320	390.59437	360	450.93473

Months Since End of Premium Period (MSEPP) 1.00121

Premium Adjustment Factor (PAF) 1.00061

Multiply Current Premium by Factor in Table by MSEPP Raised to the Number of Months Since Last Premium Divided by PAF

Based on 4.00% Interest Rate, 2.5% COLA yielding 1.46%

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***REFERENCES**

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FAMILY PROTECTION PLAN (RSFPP) COMPOUND INTEREST
TABLE**

1.0 – GENERAL (F001)

[DoD, OACT Memo, September 22, 2020](#)