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GARY D. ANDERSON
COMMISSIONER OF INSURANCE

**Filing of the Workers' Compensation Rating and Inspection Bureau
For a General Revision of Workers' Compensation Rates
Docket No. R2017-01**

Decision and Order

I. Introduction and Procedural History

On December 22, 2017, the Workers' Compensation Rating and Inspection Bureau of Massachusetts ("WCRIBMA"), on behalf of its members, submitted a filing for a workers' compensation insurance general rate revision to be effective July 1, 2018 ("the WCRIBMA Filing" or the "Filing"). The Filing proposed an 11.1 percent statewide average decrease. The Commissioner of Insurance ("Commissioner") designated Jean F. Farrington, Esq. and Kristina Gasson, Esq. as presiding officers on this matter. A hearing notice, issued on January 3, 2018, scheduled a public comment hearing for January 29, 2018, to be followed by a prehearing conference. On January 22, 2018, the Attorney General ("AG") filed a notice of intent to appear and participate.

Representatives of the WCRIBMA, the AG, and the State Rating Bureau in the Division of Insurance ("SRB") spoke at the public comment hearing. A cross-examination schedule was established at a later telephone conference. At telephone conferences on March 5 and 12, 2018, the Parties advised the presiding officers that a stipulation would be submitted shortly, and, at their request, the cross-examination schedule was modified. On March 15, the Parties submitted a Stipulation that, in brief, agrees to an overall average 12.9 percent decrease in the existing workers' compensation average rates, to be effective for policies written or renewed on or after July 1, 2018, and to be applied in accordance with other provisions of the Stipulation.

II. Statutory Framework

Massachusetts General Laws, c. 152, §53A (“§53A”) sets out the statutory requirements for obtaining approval of rates for Massachusetts workers' compensation insurance. Subsection (1) requires any insurance company writing workers' compensation insurance in the Commonwealth to file its risk classifications and premiums with the Commissioner, either directly or through a rating organization authorized to act on its behalf. The Commissioner thereafter conducts a hearing to determine whether the classifications and rates are not excessive, inadequate or unfairly discriminatory for the risks to which they respectively apply, and fall within a range of reasonableness.

In addition to these general requirements, §53A (12) specifically states that the Commissioner shall not approve classifications or rates that provide for any of the following: 1) dividends, unabsorbed premium deposits, savings or other payments allowed or returned by the insurer to policyholders, members, subscribers or stockholders; 2) expenses that exceed the filing insurer's expense needs; and 3) commission allowances that are not demonstrated to be reasonable and to reflect the actual cost to the agent or broker of services they provide.

The Commissioner, pursuant to §53A (13), also must make a finding, on the basis of information in the rate filing, that insurers employ acceptable cost control programs and techniques. In light of the Stipulation, we do not reach that issue in this decision.

III. The Stipulation

The Stipulation states that no party will object to or appeal from an order approving the WCRIBMA Filing dated December 22, 2017, subject to the conditions that: A) effective for policies written on and after July 1, 2018, the overall average change in the current average workers' compensation rates shall be -12.9 percent; and B) the decreases shall be computed in a manner consistent with the WCRIBMA Filing, but should reflect that overall average rate change in accordance with paragraphs 3 and 4 of the Stipulation. As of the July 1, 2018 effective date, the revised rates, classifications, rating programs, rating factors and rating values agreed to pursuant to this Stipulation shall apply to new and renewal policies, including policies in the Massachusetts Workers' Compensation Assigned Risk Pool.

Paragraph 3 states that the rating values in Sections IX, X, XI and XII of the WCRIBMA Filing shall be computed in a manner consistent with the Filing but shall reflect a -12.9 percent average rate change as a result of substituting an underwriting profit provision of -1.354 percent for the underwriting profit provision of +2.00 percent shown in Section VII-A, Exhibit 1, of the Filing.¹ The rating values for the F-classes in Section VIII of the Filing shall be computed in a manner consistent with the Filing, but shall reflect a -13.3 percent overall average rate change as a result of substituting the same -1.354 underwriting profit provision for the underwriting profit provision of +2.00 shown in Section VIII-A, Exhibits 1 and 2 of the WCRIBMA Filing.

Paragraph 4 provides that the classification pricing methodology proposed in Section IX of the Filing shall be approved for setting the rates effective on and after July 1, 2018, provided that the target industry group rate changes and maximum and minimum changes in average rates for individual rating classifications shall be as shown in Exhibit I attached to the Stipulation.

The WCRIBMA, in its Filing, develops some company data separately from the remainder of the industry; its treatment of that development is included in Filing Sections I, II, V, IX and XIII.² The Parties agree that the WCRIBMA shall base its determination of whether a company's data will be developed separately solely on data and information in, or relevant to, that particular filing.

Exhibit II to the Stipulation consists of revised pages to the Massachusetts Workers' Compensation and Employer Liability Insurance Manual that display the revised rate for each classification, Miscellaneous Values utilized in calculating premiums, Tables of Expected Loss Rates and Discount Ratios, of Weighting Values and of Ballast Values, and Tables of State Special Rating Values and Expense Ratios applicable to Retrospective Rating Plans.

IV. Conclusion

We find that the Stipulation submitted by the Parties will provide for classifications or rates that are "not excessive, inadequate, or unfairly discriminatory for the risks to which they respectively apply, and fall within a range of reasonableness." Therefore, we approve the

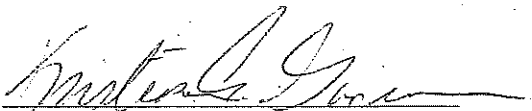
¹Sections IX through XII address, respectively, Classification, Experience Rating, Miscellaneous Rating Values and Retrospective Rating. Section VII addresses Underwriting Profits.

² Those sections address, respectively, Rate Recommendations, Loss Development, Trend, Classifications, and Data.

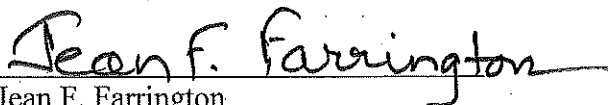
Filing of the Workers' Compensation Rating and Inspection Bureau of Massachusetts for a General Revision of the Workers' Compensation Rates, Docket No. R2017-01 Decision and Order

Stipulation, and herein ORDER that the classifications, rating methods and rates set out in the WCRIBMA's December 22, 2017 Filing, as revised according to the terms of the Stipulation, shall apply to new and renewal policies issued on and after July 1, 2018.

ENTERED this 21st day of March 2018.

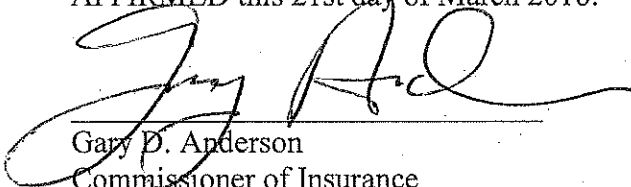


Kristina A. Gasson
Presiding Officer



Jean F. Farrington
Presiding Officer

AFFIRMED this 21st day of March 2018:



Gary D. Anderson
Commissioner of Insurance

**COMMONWEALTH OF MASSACHUSETTS
DIVISION OF INSURANCE**

RE: WORKERS' COMPENSATION RATING)
AND INSPECTION BUREAU OF)
MASSACHUSETTS – WORKERS')
COMPENSATION INSURANCE RATE FILING)

R2017-01

**STIPULATION WITH RESPECT TO RATES,
CLASSIFICATIONS AND RATING PLANS FOR 2018**

In order to avoid further hearings, delay and uncertainty for insureds and insurers, and to permit orderly implementation of workers' compensation insurance rates effective on and after July 1, 2018, but without in any way admitting or agreeing to any position taken by any other party, the Workers' Compensation Rating and Inspection Bureau of Massachusetts ("WCRIBMA"), the Office of the Attorney General ("AG") and the State Rating Bureau ("SRB") stipulate as follows, with respect only to the filing by the WCRIBMA for a revision of rates to be effective on and after July 1, 2018:

1. No party will object to or appeal from an approval by the Commissioner of Insurance ("Commissioner") of the WCRIBMA's general rate filing dated December 22, 2017 (the "WCRIBMA Filing"), subject to the condition that the overall average change in the existing workers' compensation average rates, to be effective on and after July 1, 2018, shall be -12.9%, and subject to the other conditions set forth in this stipulation.

2. To implement the -12.9% overall change stipulated in ¶ 1 above, the rating values shown in the WCRIBMA Filing shall be computed in a manner consistent with the WCRIBMA Filing except that they should reflect a -12.9% overall average rate change in accordance with paragraphs 3 and 4 below.

3. The rating values in Sections IX, X, XI, and XII of the WCRIBMA Filing shall be computed in a manner consistent with the WCRIBMA Filing, but shall reflect: (1) a -12.9% overall average rate change as a result of substituting an underwriting profit of -1.354% for the underwriting profit provision shown in Section VII-A, Exhibit 1; (2) the rating values for F-Classes in Sections VIII of the WCRIBMA Filing shall be computed in a manner consistent with the WCRIBMA Filing, but shall reflect a -13.3% overall average rate change as a result of substituting the underwriting profit from (1) above.

4. The classification pricing methodology proposed by the WCRIBMA in Section IX of the WCRIBMA Filing shall be approved for use in setting the rates to be effective on and after July 1, 2018; provided, however, that the target industry group rate changes and maximum and minimum change in average rates for individual rating classifications shall be as displayed in Exhibit I attached to this Stipulation.

5. In the WCRIBMA Filing, certain company data were developed separately from the remainder of the industry. The WCRIBMA's discussion of its treatment of the development of company data is shown in sections I, II, V, IX, and XIII of the WCRIBMA Filing. The WCRIBMA, the SRB and the AG agree that the WCRIBMA's determination of whether a company's data will be developed separately shall be based solely on data and information in or relevant to that particular filing.

6. The revised rates, classifications, rating programs, rating plans, rating factors and rating values agreed to pursuant to this Stipulation shall apply to new and renewal policies effective on and after July 1, 2018, including all such policies in the Massachusetts Workers' Compensation Assigned Risk Pool.

7. Revised manual pages reflecting this Stipulation applicable to new and renewal policies effective on and after July 1, 2018 are attached as Exhibit II to this Stipulation.

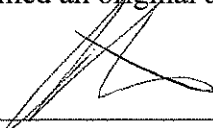
8. The WCRIBMA, AG and SRB agree that this Stipulation will have no precedential value and will not be relevant in future hearings on any line of insurance and that they will not attempt to introduce it (or the decision adopting it) as evidence or to rely on it (or the decision adopting it) for any purpose in future hearings, provided that the Stipulation may be considered in any future hearing with respect to the implementation of this Stipulation, but only on the issue of the implementation of this Stipulation. The WCRIBMA, AG and SRB each acknowledge that this Stipulation does not imply approval or disapproval by any party of any particular ratemaking methodology or projection and each party otherwise reserves the right to contest in future hearings all aspects of rate-setting resolved for present purposes only by this Stipulation.


9. Each party enters into this Stipulation upon the condition that it is approved by the Commissioner, in its entirety, on the record of this hearing no later than March 23, 2018. If the Commissioner does not approve this Stipulation in its entirety on or before March 23, 2018, this Stipulation shall be null and void and shall not be relied upon by any party, or by the Commissioner, for any purpose whatsoever.

10. If any person not a party to this Stipulation successfully challenges the Commissioner's approval of this Stipulation and the Commissioner's approval is suspended, set aside or otherwise rendered ineffective, this Stipulation shall be null and void and shall not be relied upon by any party, or by the Commissioner, for any purpose.

11. This Stipulation shall be governed by and construed in accordance with the laws of the Commonwealth of Massachusetts.

12. The Parties may execute this Stipulation in counterparts, each of which shall be deemed an original and all of which shall constitute one original.

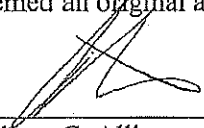

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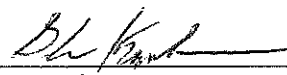
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For the AG

March 15, 2018

12. The Parties may execute this Stipulation in counterparts, each of which shall be deemed an original and all of which shall constitute one original.


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March __, 2018

Exhibit I

Calculation of Industry Group Rate Change and Limits

	Industry Group				
	Manufacturing	Construction	Office & Clerical	Goods & Services	Miscellaneous
(1) Selected Industry Group Differentials	1.019	0.985	0.994	1.011	0.998
(2) Experience and Benefit Level Change - Overall	-12.9%	-12.9%	-12.9%	-12.9%	-12.9%
(3) Target Rate Change = (1) x [1.000 + (2)] - 1.000	-11.2%	-14.2%	-13.4%	-12.0%	-13.0%
(4) Maximum Rate Change = (3) + 17.5%	6.3%	3.3%	4.1%	5.5%	4.5%
(5) Minimum Rate Change = (3) - 17.5%	-28.7%	-31.7%	-30.9%	-29.5%	-30.5%

Exhibit II

**MASSACHUSETTS WORKERS COMPENSATION
AND EMPLOYERS LIABILITY INSURANCE MANUAL**

RATES

Original Printing

Effective July 1, 2018

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RATES

LEGEND

(a) Rate for each individual risk must be obtained by Home Office from the MA Bureau.

D Supplement Disease Loading. Refer to Section IV of the Manual Supplement - - Treatment of Disease Coverage.

F Rate provides for coverage under the United States Longshore and Harbor Workers' Compensation Act.

M Risks are subject to Admiralty Law or Federal Employers Liability Act (FELA).

CLASS CODE	MIN RATE	LOSS PREM	CONST	CLASS CODE	MIN RATE	LOSS PREM	CONST	CLASS CODE	MIN RATE	LOSS PREM	CONST	CLASS CODE	MIN RATE	LOSS PREM	CONST
0005	2.03	250.	20.	1924	2.00	229.	--	2501	1.78	221.	--	3082D	4.58	319.	--
0008	2.15	254.	20.	1925	4.69	323.	--	2503	1.17	200.	--	3085D	4.47	315.	--
0016	3.56	304.	20.	2003	3.43	279.	--	2570	5.28	344.	--	3110	8.34	500.	--
0034	3.49	301.	20.	2014	3.10	268.	--	2576	1.72	219.	--	3111	1.81	222.	--
0035	1.91	246.	20.	2021	2.19	236.	--	2585	2.75	255.	--	3113	1.38	207.	--
0036	3.49	301.	20.	2039	3.01	264.	--	2586	1.60	215.	--	3114	2.44	244.	--
0042	3.55	303.	20.	2041	2.57	249.	--	2587	3.28	294.	20.	3118	1.69	218.	--
0046	1.70	239.	20.	2070	3.69	288.	--	2623	4.57	319.	--	3119	0.70	184.	--
0050	4.36	453.	50.	2081	3.00	264.	--	2651	1.37	207.	--	3120	1.34	206.	--
0059D	0.25	.	.	2089	2.70	254.	--	2660	1.75	220.	--	3122	1.92	226.	--
0065D	0.11	.	.	2095	3.19	271.	--	2683	1.67	217.	--	3127	0.96	193.	--
0066D	0.09	.	.	2101	2.70	254.	--	2688	2.08	232.	--	3131	1.38	207.	--
0067D	0.09	.	.	2105	(a)	(a)	(a)	2702	12.82	500.	20.	3132	2.84	258.	--
0079	3.12	288.	20.	2111	1.92	226.	--	2710	6.38	473.	--	3145	1.45	210.	--
0083	3.16	290.	20.	2114	2.70	254.	--	2731	2.93	262.	--	3146	1.88	225.	--
0106	10.05	500.	20.	2115	4.11	303.	--	2747	5.33	346.	--	3169	2.43	244.	--
0113	3.49	301.	20.	2121	1.15	199.	--	2790	1.53	213.	--	3179	1.08	197.	--
0170	3.49	301.	20.	2130	1.62	216.	--	2802	3.67	287.	--	3180	2.54	248.	--
0771b	0.80	.	.	2131	2.39	243.	--	2835	1.69	218.	--	3188	1.85	224.	--
0908	74.00	138.	--	2143	1.76	221.	--	2836	1.77	221.	--	3200	1.86	224.	--
0909	156.00	220.	--	2150	4.12	303.	--	2841	3.18	270.	--	3220	2.70	254.	--
0912	312.00	376.	--	2156	4.32	310.	--	2883	2.89	260.	--	3223	(a)	(a)	(a)
0913	149.00	213.	--	2157	3.49	281.	--	2923	1.56	214.	--	3255	2.03	230.	--
0917	2.75	275.	20.	2172	1.77	221.	--	2942	1.76	221.	--	3257	2.40	243.	--
0918	0.50	197.	20.	2211	5.95	458.	--	3018	2.47	245.	--	3270	1.86	224.	--
1430	6.24	468.	--	2220	2.27	238.	--	3022	3.33	276.	--	3300	3.78	291.	--
1438	2.96	263.	--	2260	5.44	349.	--	3027	4.83	328.	--	3305	(a)	(a)	(a)
1463	8.79	500.	--	2288	2.80	257.	--	3028	2.60	250.	--	3315	2.85	259.	--
1624D	3.60	305.	20.	2305	2.68	253.	--	3030	5.47	350.	--	3336	3.24	272.	--
1655	3.30	295.	20.	2362	1.48	211.	--	3040	4.52	317.	--	3365	5.73	500.	50.
1701	2.58	249.	--	2380	2.24	237.	--	3041	3.40	278.	--	3372	2.07	231.	--
1710D	3.60	305.	20.	2402	2.11	233.	--	3042	5.36	347.	--	3373	3.50	282.	--
1747	2.92	261.	--	2413	3.13	269.	--	3066	2.16	235.	--	3381	2.11	233.	--
1748	2.73	255.	--	2416	2.45	245.	--	3076	2.07	231.	--	3383	1.50	212.	--
1853	1.35	206.	--	2417	2.57	249.	--	3081D	4.58	319.	--	3385	0.64	181.	--

b Non-Ratable Code and Rate to be used with class code 4771.

**MASSACHUSETTS WORKERS COMPENSATION
AND EMPLOYERS LIABILITY INSURANCE MANUAL**

RATES

Page RA-2

Effective July 1, 2018

Original Printing

RATES

CLASS CODE	RATE	MIN PREM	LOSS CONST	CLASS CODE	RATE	MIN PREM	LOSS CONST	CLASS CODE	RATE	MIN PREM	LOSS CONST	CLASS CODE	RATE	MIN PREM	LOSS CONST
3400	2.43	244.	--	4150	0.58	179.	--	4771c	5.39	487.	--	5507	5.60	496.	50.
3507	2.42	244.	--	4239	2.13	234.	--	4777	2.95	262.	--	5508D	4.51	458.	50.
3515	2.68	253.	--	4243	2.94	262.	--	4825	0.49	176.	--	5509	3.82	343.	50.
3558	0.80	187.	--	4244	2.16	235.	--	4828	0.99	194.	--	5538	3.82	343.	50.
3571	0.76	186.	--	4250	1.71	219.	--	4829	0.99	194.	--	5545	35.68	500.	50.
3574	1.52	212.	--	4251	2.07	231.	--	4902	1.76	221.	--	5547	11.44	500.	50.
3612	1.59	215.	--	4273	2.40	243.	--	4923	0.71	184.	--	5606	1.47	260.	50.
3620	4.33	311.	--	4279	1.97	228.	--	5020	4.22	357.	50.	5610	5.66	498.	50.
3629	1.52	212.	--	4283	1.88	225.	--	5022	9.60	500.	50.	5645	7.10	500.	50.
3632	1.52	212.	--	4299	1.70	219.	--	5037	16.87	500.	50.	5701	22.00	500.	50.
3634	1.34	206.	--	4304	4.27	308.	--	5040	24.00	500.	50.	5703	14.57	500.	50.
3635	2.53	248.	--	4307	1.47	210.	--	5057	21.61	500.	50.	5705	12.42	500.	50.
3638	1.52	212.	--	4308	1.29	204.	--	5059	16.69	500.	50.	6003	9.15	500.	50.
3642	1.05	196.	--	4351	0.84	188.	--	5102	6.12	500.	50.	6005	4.51	458.	50.
3643	1.41	208.	--	4352	1.22	202.	--	5146	6.57	500.	50.	6204	5.85	500.	50.
3647	1.80	222.	--	4360	0.71	184.	--	5160	2.75	305.	50.	6217	4.03	350.	50.
3648	1.19	201.	--	4361	0.65	202.	20.	5183	2.93	312.	50.	6229	3.77	341.	50.
3681	0.64	181.	--	4362	0.50	197.	20.	5188	4.32	451.	50.	6233	2.88	310.	50.
3685	0.58	179.	--	4410	2.46	245.	--	5190	2.17	285.	50.	6251D	5.22	483.	50.
3724	5.08	478.	50.	4432	0.82	188.	--	5191	0.73	205.	20.	6252D	8.28	500.	50.
3726	8.41	500.	50.	4439	3.32	275.	--	5192	2.63	271.	20.	6306	8.09	500.	50.
3807	2.43	244.	--	4452	2.75	255.	--	5213	11.97	500.	50.	6319	3.55	333.	50.
3808	2.56	249.	--	4459	2.40	243.	--	5215	4.33	452.	50.	6325	3.41	328.	50.
3821	4.09	322.	20.	4470	1.88	225.	--	5221	6.97	500.	50.	6400	4.71	465.	50.
3826	3.29	274.	--	4484	1.82	223.	--	5222	8.58	500.	50.	6504	2.70	254.	--
3830	1.52	212.	--	4493	1.94	227.	--	5223	4.19	356.	50.	6702M	(a)	.	--
3841	1.22	202.	--	4511	0.28	189.	20.	5348	4.15	354.	50.	6703M	(a)	.	--
4000	4.48	336.	20.	4512	0.09	182.	20.	5402	6.27	500.	50.	6704M	(a)	.	--
4021	3.46	280.	--	4557	1.59	215.	--	5403	7.64	500.	50.	6801F	6.25	469.	--
4024	2.75	255.	--	4558	1.24	202.	--	5437	4.49	457.	50.	6811	5.10	358.	20.
4034	5.83	454.	--	4583	2.95	262.	--	5443	3.24	322.	50.	6824F	9.70	500.	--
4036	2.19	236.	--	4611	0.86	189.	--	5445	6.08	500.	50.	6826F	7.47	500.	--
4038	2.62	251.	--	4635	4.10	303.	--	5462	6.18	500.	50.	6834	2.13	254.	20.
4053	1.91	226.	--	4653	1.70	219.	--	5472	8.75	500.	50.	6836	3.26	293.	20.
4062	1.62	216.	--	4665	6.90	492.	--	5473	10.55	500.	50.	6843F	12.46	500.	--
4112	0.46	175.	--	4692	0.55	178.	--	5474	4.25	358.	50.	6854	10.16	500.	20.
4113	1.91	226.	--	4693	0.83	188.	--	5478	4.18	355.	50.	6872F	16.38	500.	--
4114	2.06	231.	--	4720	1.75	220.	--	5479	6.92	500.	50.	6874F	15.00	500.	--
4130	2.79	257.	--	4740	1.08	197.	--	5480	4.04	350.	50.	6882	13.36	500.	20.
4133	1.49	211.	--	4741	2.11	233.	--	5506	5.20	482.	50.	6884	12.23	500.	20.

c For Non-Ratable portion of Rate, refer to class code 0771.

**MASSACHUSETTS WORKERS COMPENSATION
AND EMPLOYERS LIABILITY INSURANCE MANUAL**

RATES

Original Printing

Effective July 1, 2018

Page RA-3

RATES

CLASS CODE	RATE	MIN PREM	LOSS CONST	CLASS CODE	RATE	MIN PREM	LOSS CONST	CLASS CODE	RATE	MIN PREM	LOSS CONST	CLASS CODE	RATE	MIN PREM	LOSS CONST
7016M	1.88	.	--	7502	2.08	252.	20.	8232	5.81	473.	20.	8829	1.95	247.	20.
7024M	2.35	.	--	7515	2.28	259.	20.	8233	6.03	481.	20.	8831	0.89	210.	20.
7038M	3.55	.	--	7520	2.77	276.	20.	8235	3.84	313.	20.	8832	0.27	188.	20.
7046M	5.06	.	--	7538	6.09	500.	50.	8263	3.84	313.	20.	8833	1.11	218.	20.
7047M	2.95	.	--	7539	1.13	219.	20.	8264	4.61	340.	20.	8835	1.88	245.	20.
7050M	5.57	.	--	7580	3.11	288.	20.	8265	6.03	481.	20.	8837	(a)	(a)	(a)
7090M	4.44	.	--	7590	3.49	301.	20.	8279	4.20	326.	20.	8868	0.68	203.	20.
7098M	5.95	.	--	7600	2.96	283.	20.	8291	3.31	295.	20.	8901	0.07	181.	20.
7099M	7.46	.	--	7601	5.54	494.	50.	8292	3.05	286.	20.	9014	2.28	259.	20.
7133	(a)	(a)	(a)	7610	0.24	187.	20.	8293	7.76	500.	20.	9015	2.89	280.	20.
7151M	8.26	.	--	7704	2.42	264.	20.	8350	5.45	461.	20.	9016	1.98	248.	20.
7152M	12.95	.	--	7720	1.34	226.	20.	8380	2.49	266.	20.	9019	2.57	269.	20.
7153M	10.33	.	--	7855	4.24	357.	50.	8381	1.67	237.	20.	9033	2.78	276.	20.
7219	8.41	500.	20.	8001	1.69	238.	20.	8385	2.56	269.	20.	9040	2.79	277.	20.
7230	8.37	500.	20.	8002	1.35	226.	20.	8392	1.34	226.	20.	9044	1.34	226.	20.
7231	8.49	500.	20.	8006	1.17	220.	20.	8393	1.57	234.	20.	9052	1.49	231.	20.
7309F	14.69	500.	--	8008	0.71	204.	20.	8500	6.03	481.	20.	9058	1.38	227.	20.
7313F	15.48	500.	--	8010	1.49	231.	20.	8601	0.21	186.	20.	9060	0.92	211.	20.
7317F	15.31	500.	--	8013	0.32	190.	20.	8709F	4.92	331.	--	9061	0.90	211.	20.
7327F	27.64	500.	--	8017	0.88	210.	20.	8710	2.95	282.	20.	9062	0.90	211.	20.
7333M	7.53	.	--	8018	2.96	283.	20.	8719	2.95	282.	20.	9063	0.82	201.	20.
7335M	8.85	.	--	8021	2.93	282.	20.	8720	0.84	208.	20.	9077F	5.00	334.	--
7337M	11.10	.	--	8031	1.71	239.	20.	8721	0.22	187.	20.	9079	1.03	215.	20.
7350F	18.12	500.	--	8032	1.25	223.	20.	8726F	5.26	343.	--	9089	0.84	208.	20.
7360	4.36	332.	20.	8033	1.59	235.	20.	8734M	0.44	.	--	9093	1.07	216.	20.
7370	3.14	289.	20.	8034	3.19	291.	20.	8737M	0.35	.	--	9101	2.85	279.	20.
7380	5.96	479.	20.	8039	1.10	218.	20.	8738M	0.55	.	--	9102	2.49	266.	20.
7382	3.38	297.	20.	8044	2.81	277.	20.	8742	0.12	183.	20.	9154	1.61	235.	20.
7394M	9.68	.	--	8046	1.69	238.	20.	8745	4.45	335.	20.	9156	1.43	229.	20.
7395M	12.37	.	--	8048	2.53	268.	20.	8747	0.79	207.	20.	9178	12.18	500.	20.
7398M	15.51	.	--	8058	2.18	255.	20.	8748	0.60	200.	20.	9179	28.45	500.	20.
7403	4.61	340.	20.	8103	2.65	272.	20.	8800	1.02	215.	20.	9180	4.31	330.	20.
7405d	0.83	218.	20.	8105	5.51	463.	20.	8803	0.04	180.	20.	9182	2.84	278.	20.
7420	6.36	493.	20.	8106	5.45	461.	20.	8805M	0.18	.	--	9186	4.31	330.	20.
7421	1.24	222.	20.	8107	2.41	263.	20.	8810	0.07	181.	20.	9220	2.71	274.	20.
7422	1.24	222.	20.	8111	2.49	266.	20.	8814M	0.14	.	--	9402	3.92	316.	20.
7425	2.34	261.	20.	8203	5.50	463.	20.	8815M	0.23	.	--	9403	8.71	500.	20.
7431e	0.93	222.	20.	8204	4.49	336.	20.	8820	0.08	182.	20.	9410	2.61	270.	20.
7445f	0.27	.	--	8215	3.34	296.	20.	8824	1.49	231.	20.	9501	1.98	228.	--
7453g	0.31	.	--	8227	4.79	468.	50.	8826	1.49	231.	20.	9505	1.98	228.	--

For Non-Ratable portion of Rate, refer to:

d 7445

e 7453

Non-Ratable Code and Rate to be used with:

f 7405

g 7431

MISCELLANEOUS VALUES

Basis of Premium applicable in accordance with the footnote instructions for Code 7370 - "Taxicab Co.":
 Employee operated vehicles \$104,400.00#
 Leased or rented vehicles..... \$69,600.00#

Basis of Premium for Sole Proprietors and Partners of Legal Partnerships, Members of Limited Liability Companies or Partners of Limited Liability Partnerships in accordance with Rule IX-B-3-a\$48,700.00#

Payroll Limitations:

For Executive Officers - in accordance with Rule IX-A-3-a and b
 Minimum individual payroll for an executive officer per week.....\$210.00#
 Maximum individual payroll for an executive officer per week.....\$1,060.00#

For Spouses of Individuals, Co-Partners or Corporate Officers - in accordance with Rule IX-A-4
 Minimum individual payroll for of a spouse per week.....\$210.00#

For Elected or Appointed Officers of a City or Town- in accordance with Rule IX-A-5
 Minimum individual payroll for an elected or appointed officer per week.....\$210.00#
 Maximum individual payroll for an elected or appointed officer per week.....\$1,060.00#

Applicable with the footnote instructions detailing the maximum average weekly wage per employee for the following three classification codes:
 Code 9186 - Amusement Device Operator, Carnival Or Circus Traveling - All Employees & Drivers.....\$320.00#
 Code 9179 - Athletic Sports Or Park: Contact Sports.....\$320.00#
 Code 9178 - Athletic Sports Or Park: Non-Contact Sports\$320.00#

Terrorism Insurance Program—Certified Loss: 0.03

BENEFITS DEDUCTIBLE COVERAGE PROGRAM

<u>Medical and Indemnity Deductible Amount</u>	<u>Premium Reduction Percentage</u>
\$ 500	2.0%
\$1,000	3.2%
\$2,000	4.9%
\$2,500	5.6%
\$5,000	8.3%

BENEFITS CLAIM AND AGGREGATE DEDUCTIBLE PROGRAM

<u>Basis for the Aggregate Limit</u>	<u>Claim Deductible Amount</u>	<u>Aggregate Deductible Amount</u>	<u>Premium Reduction Percentage</u>
0 to \$75,000	\$2,500	\$10,000	5.5%
\$75,001 to \$100,000	\$2,500	\$10,000	5.4%
\$100,001 to \$125,000	\$2,500	\$10,000	5.3%
\$125,001 to \$150,000	\$2,500	\$10,000	5.2%
\$150,001 to \$200,000	\$2,500	\$10,000	5.0%
over \$200,000	\$2,500	5% of Basis for the Aggregate Limit	4.7%

Expense Constant applicable in accordance with MA Manual Rule VI-E-2:
 Policies which develop earned Standard Premium of less than \$200\$159.00
 Policies which develop earned Standard Premium of at least \$200 and less than \$1,000.....\$250.00
 Policies which develop earned Standard Premium of \$1,000 or more\$338.00

The expense constant for private residence per capita classifications is \$64, up to a maximum of 4.

#Effective October 1, 2017

Premium Discount Percentages—(See MA Manual Rule VII). The following premium discounts are applicable to Standard Premiums. Note: Premium Discount is not applicable to Assigned Risk policies.

		<u>Type A Discount</u>	<u>Type B Discount</u>
First	\$ 10,000	0.0%	0.0%
Next	190,000	9.1%	5.1%
Next	1,550,000	11.3%	6.5%
Over	1,750,000	12.3%	7.5%

United States Longshore and Harbor Workers' Compensation Coverage Percentage applicable only in connection with Rule XII-D-3-b "U.S. Longshore and Harbor Workers' Compensation Act" of the MA Manual..... 22.6% (Multiply an eligible Non-F classification rate by a factor of 1.226)

EXPERIENCE RATING ELIGIBILITY

A risk is eligible for intrastate experience rating when the payrolls or other exposures developed in the last year or last two years of the experience period produced a subject premium of at least \$11,000. If more than two years, an average annual premium of at least \$5,500 is required. The Experience Rating Plan Manual should be referenced for the latest eligibility amounts by state.

TABLE OF EXPECTED LOSS RATES AND DISCOUNT RATIOS

CLASS CODE	EXP LOSS RATE	DISC RATIO	CLASS CODE	EXP LOSS RATE	DISC RATIO	CLASS CODE	EXP LOSS RATE	DISC RATIO	CLASS CODE	EXP LOSS RATE	DISC RATIO	CLASS CODE	EXP LOSS RATE	DISC RATIO
0005	1.02	.16	2115	1.83	.15	3041	1.71	.17	3634	0.70	.16	4439	1.48	.17
0008	1.06	.17	2121	0.58	.16	3042	2.66	.15	3635	1.27	.16	4452	1.38	.16
0016	1.59	.16	2130	0.81	.15	3066	1.09	.16	3638	0.79	.16	4459	1.20	.16
0034	1.75	.17	2131	1.20	.16	3076	1.08	.16	3642	0.53	.15	4470	0.94	.15
0035	1.00	.17	2143	0.92	.16	3081D	2.04	.16	3643	0.71	.16	4484	0.91	.16
0036	1.75	.17	2150	2.06	.16	3082D	2.04	.16	3647	0.89	.15	4493	0.97	.16
0042	1.76	.17	2156	2.17	.16	3085D	1.99	.16	3648	0.62	.16	4511	0.14	.16
0046	0.85	.17	2157	1.75	.15	3110	4.18	.16	3681	0.34	.15	4512	0.04	.17
0050	2.19	.15	2172	0.88	.14	3111	0.91	.16	3685	0.30	.15	4557	0.83	.16
0059D	.	.	2211	2.65	.16	3113	0.69	.16	3724	2.12	.15	4558	0.62	.16
0065D	.	.	2220	1.14	.16	3114	1.22	.16	3726	2.68	.14	4583	1.27	.15
0066D	.	.	2260	2.43	.15	3118	0.89	.14	3807	1.27	.17	4611	0.45	.15
0067D	.	.	2288	1.46	.16	3119	0.38	.17	3808	1.27	.16	4635	1.35	.16
0079	1.39	.18	2305	1.33	.16	3120	0.73	.15	3821	2.03	.16	4653	0.89	.15
0083	1.59	.16	2362	0.74	.17	3122	1.00	.17	3826	1.65	.17	4665	3.08	.16
0106	4.33	.17	2380	1.12	.16	3127	0.48	.17	3830	0.75	.16	4692	0.29	.16
0113	1.75	.17	2402	0.94	.16	3131	0.69	.16	3841	0.61	.16	4693	0.42	.16
0170	1.75	.17	2413	1.57	.16	3132	1.42	.16	4000	1.93	.15	4720	0.88	.16
0771	.	.	2416	1.23	.15	3145	0.73	.16	4021	1.55	.16	4740	0.48	.16
0908	37.27	.15	2417	1.29	.15	3146	0.94	.16	4024	1.23	.16	4741	1.06	.15
0909	81.48	.18	2501	0.89	.16	3169	1.22	.17	4034	2.60	.17	4771	2.04	.13
0912	162.95	.18	2503	0.61	.15	3179	0.56	.15	4036	0.98	.15	4777	0.97	.15
0913	74.54	.15	2570	2.76	.15	3180	1.33	.16	4038	1.43	.15	4825	0.22	.15
0917	1.44	.16	2576	0.90	.16	3188	0.97	.16	4053	0.96	.16	4828	0.49	.16
0918	0.25	.14	2585	1.44	.16	3200	0.93	.16	4062	0.81	.16	4829	0.43	.16
1430	2.79	.15	2586	0.80	.16	3220	1.36	.15	4112	0.23	.16	4902	0.92	.16
1438	1.27	.16	2587	1.71	.16	3223	(a)	(a)	4113	0.96	.16	4923	0.35	.15
1463	3.78	.16	2623	2.27	.16	3255	1.11	.16	4114	1.03	.15	5020	1.82	.15
1624D	1.55	.16	2651	0.71	.16	3257	1.20	.16	4130	1.40	.16	5022	4.00	.15
1655	1.47	.16	2660	0.91	.16	3270	0.93	.16	4133	0.78	.15	5037	5.37	.15
1701	1.15	.15	2683	0.87	.17	3300	1.90	.17	4150	0.32	.15	5040	7.64	.14
1710D	1.60	.16	2688	1.09	.16	3305	(a)	(a)	4239	0.95	.16	5057	6.88	.16
1747	1.30	.15	2702	4.22	.16	3315	1.49	.15	4243	1.48	.16	5059	5.31	.16
1748	1.22	.17	2710	2.75	.17	3336	1.45	.15	4244	1.09	.15	5102	2.55	.14
1853	0.67	.14	2731	1.31	.16	3365	2.47	.15	4250	0.86	.16	5146	2.83	.15
1924	1.04	.16	2747	2.91	.16	3372	1.03	.17	4251	1.04	.15	5160	1.15	.15
1925	2.33	.23	2790	0.80	.16	3373	1.76	.15	4273	1.20	.16	5183	1.26	.15
2003	1.72	.16	2802	1.82	.16	3381	1.06	.16	4279	0.99	.16	5188	1.87	.15
2014	1.39	.15	2835	0.92	.16	3383	0.78	.16	4283	0.94	.16	5190	0.94	.16
2021	1.09	.16	2836	0.97	.16	3385	0.33	.16	4299	0.89	.16	5191	0.37	.16
2039	1.57	.16	2841	1.66	.15	3400	1.21	.17	4304	2.12	.17	5192	1.32	.16
2041	1.34	.15	2883	1.45	.15	3507	1.22	.15	4307	0.80	.16	5213	4.98	.15
2070	1.85	.16	2923	0.81	.16	3515	1.35	.16	4308	0.68	.12	5215	2.08	.15
2081	1.51	.17	2942	0.96	.16	3558	0.40	.18	4351	0.42	.16	5221	3.01	.15
2089	1.35	.15	3018	1.10	.15	3571	0.40	.16	4352	0.64	.15	5222	3.57	.14
2095	1.60	.15	3022	1.74	.16	3574	0.79	.16	4360	0.37	.15	5223	1.81	.16
2101	1.41	.15	3027	2.15	.18	3612	0.79	.16	4361	0.34	.17	5348	1.79	.14
2105	(a)	(a)	3028	1.31	.16	3620	1.93	.17	4362	0.25	.16	5402	3.17	.16
2111	1.01	.16	3030	2.44	.15	3629	0.79	.16	4410	1.23	.16	5403	3.18	.15
2114	1.41	.15	3040	2.02	.15	3632	0.75	.16	4432	0.45	.17	5437	1.94	.15

(a) Expected Loss Rates and Discount Ratios for each individual risk must be obtained by Home Office from the MA Bureau.

D Supplement Disease Loading.

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Effective July 1, 2018

TABLE OF EXPECTED LOSS RATES AND DISCOUNT RATIOS

CLASS CODE	EXP LOSS RATE	DISC RATIO	CLASS CODE	EXP LOSS RATE	DISC RATIO	CLASS CODE	EXP LOSS RATE	DISC RATIO	CLASS CODE	EXP LOSS RATE	DISC RATIO	CLASS CODE	EXP LOSS RATE	DISC RATIO
5443	1.57	.15	7016M	1.12	.79	7704	1.04	.17	8719	0.97	.15	9179	14.87	.17
5445	2.53	.15	7024M	1.40	.79	7720	0.60	.16	8720	0.37	.16	9180	1.92	.19
5462	2.67	.15	7038M	2.12	.76	7855	1.83	.15	8721	0.10	.18	9182	1.42	.17
5472	2.79	.15	7046M	3.02	.58	8001	0.88	.17	8726F	2.16	.17	9186	1.86	.19
5473	3.36	.16	7047M	1.76	.69	8002	0.68	.17	8734M	0.21	.54	9220	1.34	.16
5474	1.77	.16	7050M	3.32	.67	8006	0.59	.17	8737M	0.17	.54	9402	1.75	.15
5478	1.80	.14	7090M	2.65	.76	8008	0.37	.16	8738M	0.26	.53	9403	3.75	.15
5479	3.32	.15	7098M	3.55	.58	8010	0.78	.17	8742	0.05	.17	9410	1.31	.17
5480	1.68	.15	7099M	4.45	.51	8013	0.16	.16	8745	2.21	.18	9501	0.98	.16
5506	1.65	.15	7133	(a)	(a)	8017	0.46	.17	8747	0.41	.15	9505	0.98	.16
5507	2.33	.15	7151M	3.96	.52	8018	1.55	.16	8748	0.30	.16	9519	1.48	.16
5508D	1.95	.15	7152M	6.22	.52	8021	1.47	.16	8800	0.56	.16	9521	1.22	.16
5509	1.59	.16	7153M	4.96	.52	8031	0.86	.16	8803	0.02	.16	9522	0.84	.16
5538	1.65	.15	7219	3.62	.15	8032	0.65	.16	8805M	0.09	.60	9533	5.57	.15
5545	11.36	.17	7230	4.15	.16	8033	0.80	.17	8810	0.03	.16	9534	2.20	.15
5547	3.64	.17	7231	4.21	.16	8034	1.60	.16	8814M	0.07	.60	9549	2.19	.14
5606	0.61	.16	7309F	4.39	.16	8039	0.58	.17	8815M	0.11	.59	9552	3.18	.16
5610	2.75	.14	7313F	4.63	.13	8044	1.40	.16	8820	0.04	.16	9586	0.16	.15
5645	2.96	.16	7317F	4.58	.15	8046	0.85	.17	8824	0.78	.16	9620	0.33	.17
5701	7.00	.17	7327F	8.26	.16	8048	1.32	.15	8826	0.78	.16			
5703	6.29	.15	7333M	4.51	.70	8058	1.09	.17	8829	0.98	.16			
5705	5.36	.16	7335M	5.30	.70	8103	1.31	.16	8831	0.45	.19			
6003	3.95	.15	7337M	6.65	.61	8105	2.88	.15	8832	0.13	.16			
6005	1.95	.15	7350F	7.23	.15	8106	2.43	.16	8833	0.56	.16			
6204	2.44	.15	7360	1.94	.16	8107	1.08	.16	8835	0.94	.15			
6217	1.68	.15	7370	1.57	.17	8111	1.25	.16	8837	(a)	(a)			
6229	1.57	.15	7380	2.96	.16	8203	2.76	.16	8868	0.35	.17			
6233	1.20	.14	7382	1.69	.16	8204	2.00	.18	8901	0.03	.16			
6251D	2.17	.14	7394M	5.80	.84	8215	1.49	.17	9014	1.10	.16			
6252D	2.64	.15	7395M	7.41	.84	8227	1.52	.16	9015	1.45	.16			
6306	3.37	.15	7398M	9.29	.74	8232	2.59	.16	9016	0.99	.18			
6319	1.48	.16	7403	2.06	.16	8233	2.69	.16	9019	1.15	.15			
6325	1.42	.15	7405	0.49	.15	8235	1.93	.16	9033	1.39	.16			
6400	2.26	.15	7420	2.09	.13	8263	1.91	.17	9040	1.46	.16			
6504	1.41	.15	7421	0.54	.15	8264	2.06	.16	9044	0.70	.14			
6702M	(a)	(a)	7422	0.41	.15	8265	2.60	.16	9052	0.78	.16			
6703M	(a)	(a)	7425	0.77	.14	8279	1.81	.17	9058	0.75	.16			
6704M	(a)	(a)	7431	0.41	.15	8291	1.64	.16	9060	0.48	.17			
6801F	2.57	.17	7445			8292	1.53	.16	9061	0.49	.17			
6811	2.21	.17	7453			8293	3.46	.16	9062	0.49	.17			
6824F	3.87	.17	7502	0.93	.16	8350	2.35	.16	9063	0.33	.17			
6826F	3.07	.16	7515	0.75	.19	8360	1.23	.16	9077F	2.29	.20			
6834	1.06	.16	7520	1.39	.16	8381	0.83	.17	9079	0.56	.17			
6836	1.46	.17	7538	1.94	.15	8385	1.14	.16	9089	0.44	.17			
6843F	3.73	.15	7539	0.49	.16	8392	0.67	.17	9093	0.56	.18			
6854	3.21	.15	7580	1.39	.16	8393	0.79	.15	9101	1.49	.17			
6872F	4.90	.17	7590	1.73	.16	8500	2.69	.16	9102	1.25	.16			
6874F	4.48	.15	7600	1.32	.15	8601	0.11	.16	9154	0.81	.17			
6882	4.22	.17	7601	2.31	.16	8709F	1.47	.16	9156	0.71	.18			
6884	3.86	.15	7610	0.12	.15	8710	1.32	.15	9178	6.65	.20			

(a) Expected Loss Rates and Discount Ratios for each individual risk must be obtained by Home Office from the MA Bureau Supplement Disease Loading.
D Supplement Disease Loading.
F Expected Loss Rates and Discount Ratios for risks covered under the United States Longshore and Harbor Workers' Compensation Act.
M Expected Loss Rates and Discount Ratios for risks subject to Admiralty Law or Federal Employers Liability Act (FELA).
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TABLE OF WEIGHTING VALUES

Expected Losses	Weighting Values	Expected Losses	Weighting Values	Expected Losses	Weighting Values
0 - 2,094	0.04	592,434 - 639,201	0.24	2,442,140 - 2,640,313	0.44
2,095 - 8,465	0.05	639,202 - 688,454	0.25	2,640,314 - 2,861,317	0.45
8,466 - 14,973	0.06	688,455 - 740,399	0.26	2,861,318 - 3,109,338	0.46
14,974 - 61,441	0.07	740,400 - 795,268	0.27	3,109,339 - 3,389,655	0.47
61,442 - 89,440	0.08	795,269 - 853,318	0.28	3,389,656 - 3,709,015	0.48
89,441 - 116,140	0.09	853,319 - 914,835	0.29	3,709,016 - 4,076,189	0.49
116,141 - 142,901	0.10	914,836 - 980,144	0.30	4,076,190 - 4,502,785	0.50
142,902 - 170,187	0.11	980,145 - 1,049,608	0.31	4,502,786 - 5,004,499	0.51
170,188 - 198,237	0.12	1,049,609 - 1,123,639	0.32	5,004,500 - 5,603,090	0.52
198,238 - 227,209	0.13	1,123,640 - 1,202,704	0.33	5,603,091 - 6,329,619	0.53
227,210 - 257,226	0.14	1,202,705 - 1,287,337	0.34	6,329,620 - 7,230,011	0.54
257,227 - 288,398	0.15	1,287,338 - 1,378,150	0.35	7,230,012 - 8,375,165	0.55
288,399 - 320,826	0.16	1,378,151 - 1,475,847	0.36	8,375,166 - 9,880,584	0.56
320,827 - 354,616	0.17	1,475,848 - 1,581,242	0.37	9,880,585 - 11,948,018	0.57
354,617 - 389,873	0.18	1,581,243 - 1,695,284	0.38	11,948,019 - 14,964,429	0.58
389,874 - 426,711	0.19	1,695,285 - 1,819,085	0.39	14,964,430 - 19,777,840	0.59
426,712 - 465,250	0.20	1,819,086 - 1,953,956	0.40	19,777,841 - 28,675,343	0.60
465,251 - 505,620	0.21	1,953,957 - 2,101,450	0.41	28,675,344 - 50,684,928	0.61
505,621 - 547,963	0.22	2,101,451 - 2,263,429	0.42	50,684,929 - 195,948,101	0.62
547,964 - 592,433	0.23	2,263,430 - 2,442,139	0.43	195,948,102 - 999,999,999	0.63

- (a) State Per Claim Accident Limitation..... \$250,000
- (b) State Multiple Claim Accident Limitation \$500,000
- (c) U.S. Longshore and Harbor Workers' Act Per Claim Accident Limitation \$130,000
- (d) U.S. Longshore and Harbor Workers' Act Multiple Claim Accident Limitation \$260,000
- (e) Employers Liability Accident Limitation \$55,000
- (f) USL&HW Act—Expected Loss Factor—Non-F Classes 16.2%
- (g) Cap on Modifications = $1 + (0.00005) [(Expected Losses) + (2) (Expected Losses) / (10)]$

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TABLE OF BALLAST VALUES

Expected Losses	Ballast Values	Expected Losses	Ballast Values	Expected Losses	Ballast Values
0 - 53,788	25,000	1,726,010 - 1,775,981	200,000	3,475,503 - 3,525,495	375,000
53,789 - 92,574	30,000	1,775,982 - 1,825,954	205,000	3,525,496 - 3,575,488	380,000
92,575 - 137,140	35,000	1,825,955 - 1,875,929	210,000	3,575,489 - 3,625,481	385,000
137,141 - 184,154	40,000	1,875,930 - 1,925,905	215,000	3,625,482 - 3,675,475	390,000
184,155 - 232,312	45,000	1,925,906 - 1,975,882	220,000	3,675,476 - 3,725,468	395,000
232,313 - 281,074	50,000	1,975,883 - 2,025,860	225,000	3,725,469 - 3,775,462	400,000
281,075 - 330,189	55,000	2,025,861 - 2,075,840	230,000	3,775,463 - 3,825,456	405,000
330,190 - 379,527	60,000	2,075,841 - 2,125,820	235,000	3,825,457 - 3,875,450	410,000
379,528 - 429,013	65,000	2,125,821 - 2,175,801	240,000	3,875,451 - 3,925,445	415,000
429,014 - 478,603	70,000	2,175,802 - 2,225,783	245,000	3,925,446 - 3,975,439	420,000
478,604 - 528,269	75,000	2,225,784 - 2,275,766	250,000	3,975,440 - 4,025,433	425,000
528,270 - 577,991	80,000	2,275,767 - 2,325,750	255,000	4,025,434 - 4,075,428	430,000
577,992 - 627,756	85,000	2,325,751 - 2,375,734	260,000	4,075,429 - 4,125,423	435,000
627,757 - 677,556	90,000	2,375,735 - 2,425,719	265,000	4,125,424 - 4,175,418	440,000
677,557 - 727,382	95,000	2,425,720 - 2,475,704	270,000	4,175,419 - 4,225,413	445,000
727,383 - 777,231	100,000	2,475,705 - 2,525,690	275,000	4,225,414 - 4,275,408	450,000
777,232 - 827,098	105,000	2,525,691 - 2,575,677	280,000	4,275,409 - 4,325,403	455,000
827,099 - 876,979	110,000	2,575,678 - 2,625,664	285,000	4,325,404 - 4,375,399	460,000
876,980 - 926,873	115,000	2,625,665 - 2,675,652	290,000	4,375,400 - 4,425,394	465,000
926,874 - 976,778	120,000	2,675,653 - 2,725,640	295,000	4,425,395 - 4,475,390	470,000
976,779 - 1,026,692	125,000	2,725,641 - 2,775,628	300,000	4,475,391 - 4,525,386	475,000
1,026,693 - 1,076,614	130,000	2,775,629 - 2,825,617	305,000	4,525,387 - 4,575,381	480,000
1,076,615 - 1,126,543	135,000	2,825,618 - 2,875,607	310,000	4,575,382 - 4,625,377	485,000
1,126,544 - 1,176,478	140,000	2,875,608 - 2,925,596	315,000	4,625,378 - 4,675,373	490,000
1,176,479 - 1,226,418	145,000	2,925,597 - 2,975,586	320,000	4,675,374 - 4,725,369	495,000
1,226,419 - 1,276,363	150,000	2,975,587 - 3,025,577	325,000	4,725,370 - 4,775,365	500,000
1,276,364 - 1,326,312	155,000	3,025,578 - 3,075,567	330,000		
1,326,313 - 1,376,265	160,000	3,075,568 - 3,125,558	335,000		
1,376,266 - 1,426,221	165,000	3,125,559 - 3,175,549	340,000		
1,426,222 - 1,476,179	170,000	3,175,550 - 3,225,541	345,000		
1,476,180 - 1,526,141	175,000	3,225,542 - 3,275,533	350,000		
1,526,142 - 1,576,105	180,000	3,275,534 - 3,325,525	355,000		
1,576,106 - 1,626,071	185,000	3,325,526 - 3,375,517	360,000		
1,626,072 - 1,676,039	190,000	3,375,518 - 3,425,509	365,000		
1,676,040 - 1,726,009	195,000	3,425,510 - 3,475,502	370,000		

For Expected Losses (E) greater than \$4,775,365, the Ballast Value can be calculated using the following formula (rounded to the nearest 1):

$$B = (0.1E + 2,500GE/(E + 700G))$$

G = 10

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1. Hazard Group Differentials

A	B	C	D	E	F	G
1.93	1.60	1.38	1.17	0.95	0.76	0.59

2. Tax Multipliers

a. State (non-F Classes)	1.029*
b. Federal Classes, or non-F classes where rate is increased by the USL&HW Act Percentage	1.078*

* Includes -0.17% residual market subsidy provision and 0.26% insolvency fund assessment provision

3. Expected Loss Ratio

0.645

Expected Loss and Allocated Loss Adjustment Expense Ratio (ALAE Option)
0.706

4. Loss Conversion Factor

1.185

Loss Conversion Factor for Allocated Loss Adjustment Expense Option (ALAE Option)
1.083

5. Table of Expense Ratios Excluding Taxes and Including Profit and Contingencies

Type A Company	Type B Company
Massachusetts	Massachusetts
Effective July 1, 2018	Effective July 1, 2018

Table of Expense Ratios Excluding Allocated Loss Adjustment Expense and Taxes and Including Profit and Contingencies

Type A Company	Type B Company
Massachusetts	Massachusetts
Effective July 1, 2018	Effective July 1, 2018

6. 2013—Table of Expected Loss Ranges
April 1, 2014

7a.

Excess Loss Factors
(Applicable to New and Renewal Policies)

Per Accident Limitation	Hazard Groups						
	A	B	C	D	E	F	G
\$25,000	0.404	0.430	0.455	0.477	0.497	0.527	0.561
30,000	0.386	0.413	0.438	0.462	0.483	0.514	0.551
35,000	0.369	0.397	0.423	0.449	0.470	0.502	0.542
40,000	0.354	0.382	0.410	0.436	0.458	0.491	0.534
50,000	0.328	0.357	0.385	0.414	0.437	0.471	0.518
75,000	0.277	0.306	0.336	0.370	0.393	0.428	0.485
100,000	0.239	0.267	0.298	0.334	0.358	0.392	0.456
125,000	0.209	0.235	0.266	0.304	0.327	0.361	0.429
150,000	0.186	0.209	0.240	0.278	0.300	0.332	0.406
175,000	0.166	0.187	0.217	0.255	0.276	0.307	0.384
200,000	0.150	0.169	0.197	0.236	0.255	0.285	0.364
250,000	0.124	0.140	0.166	0.203	0.220	0.247	0.329
300,000	0.104	0.118	0.142	0.177	0.192	0.217	0.299
500,000	0.062	0.070	0.086	0.113	0.122	0.141	0.214
1,000,000	0.028	0.032	0.041	0.055	0.060	0.071	0.118
2,000,000	0.013	0.014	0.018	0.026	0.028	0.033	0.059
3,000,000	0.008	0.009	0.011	0.016	0.017	0.020	0.038
4,000,000	0.005	0.006	0.008	0.011	0.012	0.014	0.027
5,000,000	0.004	0.005	0.006	0.008	0.009	0.011	0.021

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7b.

ALAE Option Excess Loss and Allocated Loss Adjustment Expense Factors
(Applicable to New and Renewal Policies)

Per Accident Limitation	Hazard Groups						
	A	B	C	D	E	F	G
\$25,000	0.453	0.481	0.507	0.530	0.552	0.584	0.619
30,000	0.433	0.462	0.489	0.514	0.537	0.571	0.609
35,000	0.415	0.445	0.473	0.500	0.523	0.558	0.599
40,000	0.399	0.430	0.459	0.487	0.511	0.546	0.591
50,000	0.371	0.402	0.433	0.464	0.488	0.525	0.575
75,000	0.316	0.348	0.381	0.416	0.442	0.480	0.540
100,000	0.274	0.306	0.340	0.378	0.405	0.442	0.510
125,000	0.242	0.272	0.306	0.346	0.372	0.409	0.482
150,000	0.216	0.243	0.277	0.318	0.344	0.380	0.457
175,000	0.195	0.219	0.252	0.294	0.318	0.353	0.435
200,000	0.176	0.198	0.231	0.273	0.295	0.329	0.414
250,000	0.147	0.166	0.195	0.237	0.256	0.288	0.376
300,000	0.125	0.141	0.168	0.208	0.225	0.254	0.344
500,000	0.074	0.084	0.103	0.134	0.146	0.168	0.250
1,000,000	0.035	0.039	0.049	0.067	0.073	0.085	0.141
2,000,000	0.015	0.017	0.022	0.031	0.034	0.040	0.071
3,000,000	0.009	0.011	0.014	0.019	0.021	0.025	0.046
4,000,000	0.007	0.007	0.010	0.014	0.015	0.018	0.033
5,000,000	0.005	0.006	0.007	0.010	0.011	0.013	0.025

8. **Retrospective Development Factors**

With Loss Limit				Without Loss Limit			
1st Adj.	2nd Adj.	3rd Adj.	4th & Subsequent Adj.	1st Adj.	2nd Adj.	3rd Adj.	4th & Subsequent Adj.
0.11	0.07	0.05	0.00	0.14	0.09	0.06	0.00

9. **State Special Classifications by Hazard Group**

All Massachusetts Hazard Group assignments can be found in Appendix G of the 2008 Edition of the Massachusetts Workers' Compensation & Employers Liability Insurance Manual.

TABLE OF EXPENSE RATIOS—EXCLUDING TAXES AND INCLUDING PROFIT AND CONTINGENCIES - TYPE A COMPANY - MASSACHUSETTS *Effective 01 July 2018*

Standard Premium From	To	Expense Ratio	Standard Premium From	To	Expense Ratio	Standard Premium From	To	Expense Ratio
0	10,057	0.327	18,073	18,449	0.287	98,973	111,444	0.247
10,058	10,173	0.326	18,450	18,842	0.286	111,445	127,513	0.246
10,174	10,291	0.325	18,843	19,252	0.285	127,514	148,997	0.245
10,292	10,412	0.324	19,253	19,681	0.284	148,998	179,187	0.244
10,413	10,536	0.323	19,682	20,129	0.283	179,188	203,843	0.243
10,537	10,663	0.322	20,130	20,597	0.282	203,844	212,226	0.242
10,664	10,793	0.321	20,598	21,088	0.281	212,227	221,328	0.241
10,794	10,927	0.320	21,089	21,604	0.280	221,329	231,247	0.240
10,928	11,063	0.319	21,605	22,145	0.279	231,248	242,095	0.239
11,064	11,204	0.318	22,146	22,713	0.278	242,096	254,012	0.238
11,205	11,347	0.317	22,714	23,312	0.277	254,013	267,163	0.237
11,348	11,495	0.316	23,313	23,943	0.276	267,164	281,750	0.236
11,496	11,646	0.315	23,944	24,610	0.275	281,751	298,022	0.235
11,647	11,802	0.314	24,611	25,314	0.274	298,023	316,288	0.234
11,803	11,961	0.313	25,315	26,060	0.273	316,289	336,940	0.233
11,962	12,125	0.312	26,061	26,851	0.272	336,941	360,477	0.232
12,126	12,294	0.311	26,852	27,692	0.271	360,478	387,549	0.231
12,295	12,467	0.310	27,693	28,587	0.270	387,550	419,018	0.230
12,468	12,645	0.309	28,588	29,542	0.269	419,019	456,048	0.229
12,646	12,829	0.308	29,543	30,563	0.268	456,049	500,259	0.228
12,830	13,018	0.307	30,564	31,657	0.267	500,260	553,962	0.227
13,019	13,212	0.306	31,658	32,832	0.266	553,963	620,581	0.226
13,213	13,412	0.305	32,833	34,098	0.265	620,582	705,413	0.225
13,413	13,619	0.304	34,099	35,466	0.264	705,414	817,112	0.224
13,620	13,832	0.303	35,467	36,948	0.263	817,113	970,838	0.223
13,833	14,052	0.302	36,949	38,559	0.262	970,839	1,195,811	0.222
14,053	14,279	0.301	38,560	40,316	0.261	1,195,812	1,556,500	0.221
14,280	14,513	0.300	40,317	42,242	0.260	1,556,501	1,842,116	0.220
14,514	14,755	0.299	42,243	44,361	0.259	1,842,117	2,009,072	0.219
14,756	15,005	0.298	44,362	46,704	0.258	2,009,073	2,209,308	0.218
15,006	15,264	0.297	46,705	49,308	0.257	2,209,309	2,453,876	0.217
15,265	15,533	0.296	49,309	52,219	0.256	2,453,877	2,759,330	0.216
15,534	15,810	0.295	52,220	55,496	0.255	2,759,331	3,151,641	0.215
15,811	16,098	0.294	55,497	59,212	0.254	3,151,642	3,673,995	0.214
16,099	16,397	0.293	59,213	63,461	0.253	3,673,996	4,403,900	0.213
16,398	16,706	0.292	63,462	68,367	0.252	4,403,901	5,495,723	0.212
16,707	17,028	0.291	68,368	74,095	0.251	5,495,724	7,307,384	0.211
17,029	17,362	0.290	74,096	80,871	0.250	7,307,385	10,900,836	0.210
17,363	17,710	0.289	80,872	89,011	0.249	10,900,837	21,448,049	0.209
17,711	18,072	0.288	89,012	98,972	0.248	21,448,050	OVER	0.208

Note: Above table based on the following discounts:

Standard Premium	Discount
First	10,000 0.0%
Next	190,000 9.1%
Next	1,550,000 11.3%
Over	1,750,000 12.3%

TABLE OF EXPENSE RATIOS—EXCLUDING TAXES AND INCLUDING PROFIT AND CONTINGENCIES - TYPE B COMPANY - MASSACHUSETTS *Effective 01 July 2018*

Standard Premium	Expense Ratio	Standard Premium	Expense Ratio	Standard Premium	Expense Ratio
0 - 10,102	0.327	19,776 - 20,597	0.302	235,345 - 253,922	0.277
10,103 - 10,312	0.326	20,598 - 21,490	0.301	253,923 - 275,684	0.276
10,313 - 10,531	0.325	21,491 - 22,464	0.300	275,685 - 301,526	0.275
10,532 - 10,760	0.324	22,465 - 23,531	0.299	301,527 - 332,713	0.274
10,761 - 10,999	0.323	23,532 - 24,704	0.298	332,714 - 371,097	0.273
11,000 - 11,248	0.322	24,705 - 26,000	0.297	371,098 - 419,492	0.272
11,249 - 11,509	0.321	26,001 - 27,439	0.296	419,493 - 482,402	0.271
11,510 - 11,783	0.320	27,440 - 29,047	0.295	482,403 - 567,510	0.270
11,784 - 12,070	0.319	29,048 - 30,856	0.294	567,511 - 689,081	0.269
12,071 - 12,371	0.318	30,857 - 32,904	0.293	689,082 - 876,937	0.268
12,372 - 12,688	0.317	32,905 - 35,244	0.292	876,938 - 1,205,609	0.267
12,689 - 13,021	0.316	35,245 - 37,942	0.291	1,205,610 - 1,776,128	0.266
13,022 - 13,373	0.315	37,943 - 41,088	0.290	1,776,129 - 1,947,135	0.265
13,374 - 13,743	0.314	41,089 - 44,802	0.289	1,947,136 - 2,154,579	0.264
13,744 - 14,135	0.313	44,803 - 49,254	0.288	2,154,580 - 2,411,495	0.263
14,136 - 14,550	0.312	49,255 - 54,689	0.287	2,411,496 - 2,737,978	0.262
14,551 - 14,991	0.311	54,690 - 61,472	0.286	2,737,979 - 3,166,705	0.261
14,992 - 15,458	0.310	61,473 - 70,175	0.285	3,166,706 - 3,754,623	0.260
15,459 - 15,956	0.309	70,176 - 81,750	0.284	3,754,624 - 4,610,613	0.259
15,957 - 16,486	0.308	81,751 - 97,898	0.283	4,610,614 - 5,972,162	0.258
16,487 - 17,054	0.307	97,899 - 121,995	0.282	5,972,163 - 8,474,852	0.257
17,055 - 17,661	0.306	121,996 - 161,828	0.281	8,474,853 - 14,588,153	0.256
17,662 - 18,314	0.305	161,829 - 205,303	0.280	14,588,154 - OVER	0.255
18,315 - 19,017	0.304	205,304 - 219,300	0.279		
19,018 - 19,775	0.303	219,301 - 235,344	0.278		

Note: Above table based on the following discounts:

Standard Premium	Discount
First 10,000	0.0%
Next 190,000	5.1%
Next 1,550,000	6.5%
Over 1,750,000	7.5%

TABLE OF EXPENSE RATIOS—EXCLUDING ALLOCATED LOSS ADJUSTMENT EXPENSE AND TAXES AND INCLUDING PROFIT AND CONTINGENCIES - TYPE A COMPANY - MASSACHUSETTS
Effective 01 July 2018

Standard Premium	Expense Ratio	Standard Premium	Expense Ratio	Standard Premium	Expense Ratio
0 - 10,057	0.266	18,073 - 18,449	0.226	98,973 - 111,444	0.186
10,058 - 10,173	0.265	18,450 - 18,842	0.225	111,445 - 127,513	0.185
10,174 - 10,291	0.264	18,843 - 19,252	0.224	127,514 - 148,997	0.184
10,292 - 10,412	0.263	19,253 - 19,681	0.223	148,998 - 179,187	0.183
10,413 - 10,536	0.262	19,682 - 20,129	0.222	179,188 - 203,843	0.182
10,537 - 10,663	0.261	20,130 - 20,597	0.221	203,844 - 212,226	0.181
10,664 - 10,793	0.260	20,598 - 21,088	0.220	212,227 - 221,328	0.180
10,794 - 10,927	0.259	21,089 - 21,604	0.219	221,329 - 231,247	0.179
10,928 - 11,063	0.258	21,605 - 22,145	0.218	231,248 - 242,095	0.178
11,064 - 11,204	0.257	22,146 - 22,713	0.217	242,096 - 254,012	0.177
11,205 - 11,347	0.256	22,714 - 23,312	0.216	254,013 - 267,163	0.176
11,348 - 11,495	0.255	23,313 - 23,943	0.215	267,164 - 281,750	0.175
11,496 - 11,646	0.254	23,944 - 24,610	0.214	281,751 - 298,022	0.174
11,647 - 11,802	0.253	24,611 - 25,314	0.213	298,023 - 316,288	0.173
11,803 - 11,961	0.252	25,315 - 26,060	0.212	316,289 - 336,940	0.172
11,962 - 12,125	0.251	26,061 - 26,851	0.211	336,941 - 360,477	0.171
12,126 - 12,294	0.250	26,852 - 27,692	0.210	360,478 - 387,549	0.170
12,295 - 12,467	0.249	27,693 - 28,587	0.209	387,550 - 419,018	0.169
12,468 - 12,645	0.248	28,588 - 29,542	0.208	419,019 - 456,048	0.168
12,646 - 12,829	0.247	29,543 - 30,563	0.207	456,049 - 500,259	0.167
12,830 - 13,018	0.246	30,564 - 31,657	0.206	500,260 - 553,962	0.166
13,019 - 13,212	0.245	31,658 - 32,832	0.205	553,963 - 620,581	0.165
13,213 - 13,412	0.244	32,833 - 34,098	0.204	620,582 - 705,413	0.164
13,413 - 13,619	0.243	34,099 - 35,466	0.203	705,414 - 817,112	0.163
13,620 - 13,832	0.242	35,467 - 36,948	0.202	817,113 - 970,838	0.162
13,833 - 14,052	0.241	36,949 - 38,559	0.201	970,839 - 1,195,811	0.161
14,053 - 14,279	0.240	38,560 - 40,316	0.200	1,195,812 - 1,556,500	0.160
14,280 - 14,513	0.239	40,317 - 42,242	0.199	1,556,501 - 1,842,116	0.159
14,514 - 14,755	0.238	42,243 - 44,361	0.198	1,842,117 - 2,009,072	0.158
14,756 - 15,005	0.237	44,362 - 46,704	0.197	2,009,073 - 2,209,308	0.157
15,006 - 15,264	0.236	46,705 - 49,308	0.196	2,209,309 - 2,453,876	0.156
15,265 - 15,533	0.235	49,309 - 52,219	0.195	2,453,877 - 2,759,330	0.155
15,534 - 15,810	0.234	52,220 - 55,496	0.194	2,759,331 - 3,151,641	0.154
15,811 - 16,098	0.233	55,497 - 59,212	0.193	3,151,642 - 3,673,995	0.153
16,099 - 16,397	0.232	59,213 - 63,461	0.192	3,673,996 - 4,403,900	0.152
16,398 - 16,706	0.231	63,462 - 68,367	0.191	4,403,901 - 5,495,723	0.151
16,707 - 17,028	0.230	68,368 - 74,095	0.190	5,495,724 - 7,307,384	0.150
17,029 - 17,362	0.229	74,096 - 80,871	0.189	7,307,385 - 10,900,836	0.149
17,363 - 17,710	0.228	80,872 - 89,011	0.188	10,900,837 - 21,448,049	0.148
17,711 - 18,072	0.227	89,012 - 98,972	0.187	21,448,050 - OVER	0.147

Note: Above table based on the following discounts:

Standard Premium	Discount
First 10,000	0.0%
Next 190,000	9.1%
Next 1,550,000	11.3%
Over 1,750,000	12.3%

TABLE OF EXPENSE RATIOS—EXCLUDING ALLOCATED LOSS ADJUSTMENT EXPENSE AND TAXES AND INCLUDING PROFIT AND CONTINGENCIES - TYPE B COMPANY - MASSACHUSETTS

Effective 01 July 2018

Standard Premium	Expense Ratio	Standard Premium	Expense Ratio	Standard Premium	Expense Ratio
0 - 10,102	0.266	19,776 - 20,597	0.241	235,345 - 253,922	0.216
10,103 - 10,312	0.265	20,598 - 21,490	0.240	253,923 - 275,684	0.215
10,313 - 10,531	0.264	21,491 - 22,464	0.239	275,685 - 301,526	0.214
10,532 - 10,760	0.263	22,465 - 23,531	0.238	301,527 - 332,713	0.213
10,761 - 10,999	0.262	23,532 - 24,704	0.237	332,714 - 371,097	0.212
11,000 - 11,248	0.261	24,705 - 26,000	0.236	371,098 - 419,492	0.211
11,249 - 11,509	0.260	26,001 - 27,439	0.235	419,493 - 482,402	0.210
11,510 - 11,783	0.259	27,440 - 29,047	0.234	482,403 - 567,510	0.209
11,784 - 12,070	0.258	29,048 - 30,856	0.233	567,511 - 689,081	0.208
12,071 - 12,371	0.257	30,857 - 32,904	0.232	689,082 - 876,937	0.207
12,372 - 12,688	0.256	32,905 - 35,244	0.231	876,938 - 1,205,609	0.206
12,689 - 13,021	0.255	35,245 - 37,942	0.230	1,205,610 - 1,776,128	0.205
13,022 - 13,373	0.254	37,943 - 41,088	0.229	1,776,129 - 1,947,135	0.204
13,374 - 13,743	0.253	41,089 - 44,802	0.228	1,947,136 - 2,154,579	0.203
13,744 - 14,135	0.252	44,803 - 49,254	0.227	2,154,580 - 2,411,495	0.202
14,136 - 14,550	0.251	49,255 - 54,689	0.226	2,411,496 - 2,737,978	0.201
14,551 - 14,991	0.250	54,690 - 61,472	0.225	2,737,979 - 3,166,705	0.200
14,992 - 15,458	0.249	61,473 - 70,175	0.224	3,166,706 - 3,754,623	0.199
15,459 - 15,956	0.248	70,176 - 81,750	0.223	3,754,624 - 4,610,613	0.198
15,957 - 16,486	0.247	81,751 - 97,898	0.222	4,610,614 - 5,972,162	0.197
16,487 - 17,054	0.246	97,899 - 121,995	0.221	5,972,163 - 8,474,852	0.196
17,055 - 17,661	0.245	121,996 - 161,828	0.220	8,474,853 - 14,588,153	0.195
17,662 - 18,314	0.244	161,829 - 205,303	0.219	14,588,154 - OVER	0.194
18,315 - 19,017	0.243	205,304 - 219,300	0.218		
19,018 - 19,775	0.242	219,301 - 235,344	0.217		

Note: Above table based on the following discounts:

Standard Premium	Discount
First 10,000	0.0%
Next 190,000	5.1%
Next 1,550,000	6.5%
Over 1,750,000	7.5%