

DELAWARE COMPENSATION RATING BUREAU, INC.

DECEMBER 1, 2020 F CLASS RATE FILING

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Delaware F Class Rate Revision
Proposed Effective December 1, 2020

Calculation of Composite Pure Premium Multiplier

Item	Total
(1) Pure Premium Test Correction Factor	0.9999
(2) Off-Balance Factor (Collectible Prem Ratio)	0.9693
(3) Expense Provision (1 / 0.6960)	1.4368
(4) Rate Test Correction Factor	1.0008
(5) Composite Pure Premium Multiplier (1)*(2)*(3)*(4)	1.3936

CALCULATION OF PER CLAIM AND CATASTROPHE LIMITATIONS

All Death, Permanent Total and Major Disability claims in the Delaware experience for Manual Years 2013 through 2017 were translated using composite multipliers, yielding an average claim value of \$382,100. A value of \$1,123,112 was selected based on a review of Delaware State Act coverage experience as reported in the 12/1/20 Residual Market Rate and Voluntary Loss Cost Filing. Using twice the value as unity and using the indicated Hazard Group Relativities produced the following results:

Hazard Group	Hazard Group Relativities *	Per Claim Limit (2) * \$ 1,123,112	Per Accident Limit (3) * 2
(1)	(2)	(3)	(4)
A	0.74	831,103	1,662,206
B	0.83	932,183	1,864,366
C	0.92	1,033,263	2,066,526
D	1.03	1,156,805	2,313,611
E	1.16	1,302,810	2,605,620
F	1.29	1,448,814	2,897,629
G	1.44	1,617,281	3,234,563

@ From Delaware State Act Coverage Rate & Loss Cost filing proposal effective 12/1/20.

CREDIBILITY

The classification relativity criteria for 100 percent credibility for the various categories of loss are as follows:

Serious: 175 * Average Cost of Serious Case (including Medical)
 Non-Serious: 500 * Average Cost of Non-Serious Case (including Medical)
 Medical: 10 Percent of the Non-Serious

The following calculations are based on the figures in Table V, Section B.

	No. Cases	INDEMNITY AMOUNT (in hundreds)	MEDICAL AMOUNT (in hundreds)	TOTAL AMOUNT (in hundreds)	AVERAGE COST (4) / (1)
	(1)	(2)	(3)	(4)	(5)
Death	0	0	0	0	0
Permanent Total	0	0	0	0	0
Major	3	9,144	2,320	11,464	3,821
Total Serious	3	9,144	2,320	11,464	3,821
Minor	6	2,097	3,954	6,051	1,009
Temporary	3	35	173	208	69
Total Non-Serious	9	2,132	4,127	6,259	695

Accordingly, the criteria for 100 percent credibility will be:

Selected @

Serious: 175 *	3,821 =	668,675	196,544,600
Non-Serious: 500 *	695 =	347,500	27,103,000
Medical: .10 *	347,500 =	34,750	2,710,300

@ From Delaware State Act Coverage Rate & Loss Cost filing proposal effective 12/1/20.

EXPECTED LOSS CREDIBILITY TABLE

Serious, Non-Serious and Medical

Credibility (1)	Serious (2)	Non-Serious (3)	Medical (4)
1.00	195,072,433	26,899,992	2,689,999
0.99	192,139,190	26,495,506	2,649,551
0.98	189,220,796	26,093,067	2,609,307
0.97	186,317,328	25,692,686	2,569,269
0.96	183,428,863	25,294,374	2,529,437
0.95	180,555,479	24,898,141	2,489,814
0.94	177,697,257	24,504,000	2,450,400
0.93	174,854,275	24,111,960	2,411,196
0.92	172,026,618	23,722,033	2,372,203
0.91	169,214,368	23,334,231	2,333,423
0.90	166,417,611	22,948,565	2,294,857
0.89	163,636,432	22,565,048	2,256,505
0.88	160,870,920	22,183,691	2,218,369
0.87	158,121,164	21,804,506	2,180,451
0.86	155,387,254	21,427,507	2,142,751
0.85	152,669,283	21,052,706	2,105,271
0.84	149,967,345	20,680,116	2,068,012
0.83	147,281,536	20,309,749	2,030,975
0.82	144,611,954	19,941,621	1,994,162
0.81	141,958,697	19,575,743	1,957,574
0.80	139,321,866	19,212,131	1,921,213
0.79	136,701,565	18,850,798	1,885,080
0.78	134,097,899	18,491,759	1,849,176
0.77	131,510,974	18,135,029	1,813,503
0.76	128,940,900	17,780,622	1,778,062
0.75	126,387,789	17,428,555	1,742,856
0.74	123,851,752	17,078,842	1,707,884
0.73	121,332,907	16,731,499	1,673,150
0.72	118,831,371	16,386,544	1,638,654
0.71	116,347,265	16,043,992	1,604,399
0.70	113,880,712	15,703,861	1,570,386
0.69	111,431,839	15,366,167	1,536,617
0.68	109,000,773	15,030,930	1,503,093
0.67	106,587,647	14,698,166	1,469,817
0.66	104,192,594	14,367,894	1,436,789
0.65	101,815,752	14,040,133	1,404,013
0.64	99,457,262	13,714,904	1,371,490
0.63	97,117,267	13,392,224	1,339,222
0.62	94,795,916	13,072,116	1,307,212
0.61	92,493,358	12,754,599	1,275,460
0.60	90,209,750	12,439,695	1,243,970
0.59	87,945,248	12,127,426	1,212,743
0.58	85,700,017	11,817,815	1,181,782
0.57	83,474,223	11,510,883	1,151,088
0.56	81,268,037	11,206,656	1,120,666
0.55	79,081,635	10,905,157	1,090,516
0.54	76,915,198	10,606,410	1,060,641
0.53	74,768,912	10,310,443	1,031,044
0.52	72,642,967	10,017,281	1,001,728
0.51	70,537,561	9,726,951	972,695
0.50	68,452,895	9,439,480	943,948

EXPECTED LOSS CREDIBILITY TABLE

Serious, Non-Serious and Medical

Credibility (1)	Serious (2)	Non-Serious (3)	Medical (4)
0.49	66,389,179	9,154,899	915,490
0.48	64,346,626	8,873,236	887,324
0.47	62,325,459	8,594,523	859,452
0.46	60,325,907	8,318,789	831,879
0.45	58,348,206	8,046,070	804,607
0.44	56,392,600	7,776,396	777,640
0.43	54,459,341	7,509,805	750,981
0.42	52,548,692	7,246,331	724,633
0.41	50,660,923	6,986,013	698,601
0.40	48,796,314	6,728,888	672,889
0.39	46,955,158	6,474,997	647,500
0.38	45,137,756	6,224,382	622,438
0.37	43,344,425	5,977,086	597,709
0.36	41,575,491	5,733,155	573,316
0.35	39,831,295	5,492,635	549,264
0.34	38,112,194	5,255,575	525,558
0.33	36,418,560	5,022,027	502,203
0.32	34,750,782	4,792,045	479,205
0.31	33,109,266	4,565,684	456,568
0.30	31,494,441	4,343,004	434,300
0.29	29,906,755	4,124,066	412,407
0.28	28,346,681	3,908,936	390,894
0.27	26,814,715	3,697,681	369,768
0.26	25,311,385	3,490,376	349,038
0.25	23,837,245	3,287,096	328,710
0.24	22,392,887	3,087,923	308,792
0.23	20,978,937	2,892,942	289,294
0.22	19,596,065	2,702,248	270,225
0.21	18,244,986	2,515,938	251,594
0.20	16,926,466	2,334,117	233,412
0.19	15,641,330	2,156,900	215,690
0.18	14,390,470	1,984,410	198,441
0.17	13,174,852	1,816,779	181,678
0.16	11,995,529	1,654,153	165,415
0.15	10,853,656	1,496,692	149,669
0.14	9,750,503	1,344,570	134,457
0.13	8,687,481	1,197,982	119,798
0.12	7,666,168	1,057,146	105,715
0.11	6,688,342	922,306	92,231
0.10	5,756,032	793,743	79,374
0.09	4,871,580	671,779	67,178
0.08	4,037,731	556,793	55,679
0.07	3,257,769	449,238	44,924
0.06	2,535,711	349,668	34,967
0.05	1,876,640	258,784	25,878
0.04	1,287,279	177,513	17,751
0.03	777,126	107,164	10,716
0.02	361,190	49,808	4,981
0.01	69,517	9,587	959
0.00	0	0	0

Classification Credibility Table

Payroll Conversion Factors

Convert the Expected Loss Credibility Table to a Payroll Basis

A)	<hr/> Five Year Payroll (00's) <hr/>		
	814,001,420		
B)	<hr/> Five Year Expected Losses * <hr/>		
	Serious	Non-Serious	Medical Only
	514,653,545	403,468,408	45,650,584
C) =A/B	<hr/> Ratio Payroll to Expected Loss <hr/>		
	Serious	Non-Serious	Medical Only
	1.5816	2.0175	17.8311

* Expected losses associated with payroll based classifications only

PAYROLL CREDIBILITY TABLE (IN 00'S)

Serious, Non-Serious and Medical

Credibility (1)	Serious (2)	Non-Serious (3)	Medical (4)
1.00	308,526,560	54,270,734	47,965,641
0.99	303,887,343	53,454,683	47,244,409
0.98	299,271,611	52,642,763	46,526,814
0.97	294,679,486	51,834,994	45,812,892
0.96	290,111,090	51,031,400	45,102,644
0.95	285,566,546	50,231,999	44,396,122
0.94	281,045,982	49,436,820	43,693,327
0.93	276,549,521	48,645,879	42,994,277
0.92	272,077,299	47,859,202	42,298,989
0.91	267,629,444	47,076,811	41,607,499
0.90	263,206,094	46,298,730	40,919,825
0.89	258,807,381	45,524,984	40,235,966
0.88	254,433,447	44,755,597	39,555,959
0.87	250,084,433	43,990,591	38,879,840
0.86	245,760,481	43,229,995	38,207,607
0.85	241,461,738	42,473,834	37,539,298
0.84	237,188,353	41,722,134	36,874,929
0.83	232,940,477	40,974,919	36,214,518
0.82	228,718,266	40,232,220	35,558,102
0.81	224,521,875	39,494,062	34,905,698
0.80	220,351,463	38,760,474	34,257,341
0.79	216,207,195	38,031,485	33,613,050
0.78	212,089,237	37,307,124	32,972,842
0.77	207,997,756	36,587,421	32,336,753
0.76	203,932,927	35,872,405	31,704,801
0.75	199,894,927	35,162,110	31,077,040
0.74	195,883,931	34,456,564	30,453,450
0.73	191,900,126	33,755,799	29,834,105
0.72	187,943,696	33,059,853	29,219,003
0.71	184,014,834	32,368,754	28,608,199
0.70	180,113,734	31,682,540	28,001,710
0.69	176,240,597	31,001,242	27,399,571
0.68	172,395,623	30,324,901	26,801,802
0.67	168,579,022	29,653,550	26,208,454
0.66	164,791,007	28,987,226	25,619,528
0.65	161,031,793	28,325,968	25,035,096
0.64	157,301,606	27,669,819	24,455,175
0.63	153,600,669	27,018,812	23,879,801
0.62	149,929,221	26,372,994	23,309,028
0.61	146,287,495	25,732,403	22,742,855
0.60	142,675,741	25,097,085	22,181,353
0.59	139,094,204	24,467,082	21,624,542
0.58	135,543,147	23,842,442	21,072,473
0.57	132,022,831	23,223,206	20,525,165
0.56	128,533,527	22,609,428	19,982,708
0.55	125,075,514	22,001,154	19,445,100
0.54	121,649,077	21,398,432	18,912,396
0.53	118,254,511	20,801,319	18,384,649
0.52	114,892,117	20,209,864	17,861,912
0.51	111,562,206	19,624,124	17,344,222
0.50	108,265,099	19,044,151	16,831,631

PAYROLL CREDIBILITY TABLE (IN 00'S)

Serious, Non-Serious and Medical

Credibility (1)	Serious (2)	Non-Serious (3)	Medical (4)
0.49	105,001,126	18,470,009	16,324,194
0.48	101,770,624	17,901,754	15,821,963
0.47	98,573,946	17,339,450	15,324,975
0.46	95,411,455	16,783,157	14,833,318
0.45	92,283,523	16,232,946	14,347,028
0.44	89,190,536	15,688,879	13,866,177
0.43	86,132,894	15,151,032	13,390,817
0.42	83,111,011	14,619,473	12,921,003
0.41	80,125,316	14,094,281	12,456,824
0.40	77,176,250	13,575,532	11,998,351
0.39	74,264,278	13,063,306	11,545,637
0.38	71,389,875	12,557,691	11,098,754
0.37	68,553,543	12,058,771	10,657,809
0.36	65,755,797	11,566,640	10,222,855
0.35	62,997,176	11,081,391	9,793,981
0.34	60,278,246	10,603,123	9,371,277
0.33	57,599,594	10,131,939	8,954,832
0.32	54,961,837	9,667,951	8,544,752
0.31	52,365,615	9,211,267	8,141,110
0.30	49,811,608	8,762,011	7,744,047
0.29	47,300,524	8,320,303	7,353,670
0.28	44,833,111	7,886,278	6,970,070
0.27	42,410,153	7,460,071	6,593,370
0.26	40,032,487	7,041,834	6,223,731
0.25	37,700,987	6,631,716	5,861,261
0.24	35,416,590	6,229,885	5,506,101
0.23	33,180,287	5,836,510	5,158,430
0.22	30,993,136	5,451,785	4,818,409
0.21	28,856,270	5,075,905	4,486,198
0.20	26,770,899	4,709,081	4,161,993
0.19	24,738,328	4,351,546	3,845,990
0.18	22,759,967	4,003,547	3,538,421
0.17	20,837,346	3,665,352	3,239,519
0.16	18,972,129	3,337,254	2,949,531
0.15	17,166,142	3,019,576	2,668,763
0.14	15,421,396	2,712,670	2,397,516
0.13	13,740,120	2,416,929	2,136,130
0.12	12,124,811	2,132,792	1,885,015
0.11	10,578,282	1,860,752	1,644,580
0.10	9,103,740	1,601,377	1,415,326
0.09	7,704,891	1,355,314	1,197,858
0.08	6,386,075	1,123,330	992,818
0.07	5,152,487	906,338	801,044
0.06	4,010,481	705,455	623,500
0.05	2,968,094	522,097	461,433
0.04	2,035,960	358,132	316,520
0.03	1,229,102	216,203	191,078
0.02	571,258	100,488	88,817
0.01	109,948	19,342	17,100
0.00	0	0	0

TABLE V

TOTAL EXPERIENCE ALL INDUSTRIES - MANUAL YEARS 2013 - 2017

MAN YEAR	PAYROLL IN THOUS	ALL LOSSES	NO.	DEATH COMP. IN HUNDREDS	PERM. NO.	TOTAL COMP. IN HUNDREDS	MAJOR NO.	PERM. COMP. IN HUNDREDS	MINOR NO.	PERM. COMP. IN HUNDREDS	TEMPORARY NO.	TEMPORARY COMP. IN HUNDREDS	MEDICAL IN HUNDREDS	PURE PREM.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
A. EXPERIENCE AS REPORTED														
13	3,701	633,970		0		0	3	4,373	3	189		0	1,778	17.130
14	4,461	50,766		0		0		0	1	200	1	10	298	1.138
15	4,027	46,820		0		0		0	1	271		0	197	1.163
16	3,195	4,402		0		0		0		0	2	9	35	.138
17	3,844	37,710		0		0		0	1	178		0	199	.981
ALL	19,228	773,668		0		0	3	4,373	6	838	3	19	2,507	4.024
B. REPORTED PAYROLLS, TRANSLATED LOSSES & PURE PREMIUMS (EXCLUDING IBNR AND FREQUENCY TREND)														
13	3,701	1,327,298		0		0	3	9,144	3	485		0	3,644	35.863
14	4,461	182,735		0		0		0	1	513	1	19	1,295	4.096
15	4,027	155,338		0		0		0	1	696		0	857	3.857
16	3,195	15,982		0		0		0		0	2	16	144	.500
17	3,844	117,855		0		0		0	1	403		0	775	3.066
ALL	19,228	1,799,208		0		0	3	9,144	6	2,097	3	35	6,715	9.357
PURE PREMIUM		9.357		.000		.000		4.756		1.091		.018	3.492	
C. REPORTED PAYROLLS, TRANSLATED LOSSES & PURE PREMIUMS (INCLUDING IBNR AND FREQUENCY TREND)														
13	3,701	893,716		0		0	2	6,096	2	323		0	2,518	24.148
14	4,461	360,636		0		0		0	2	1,027	1	19	2,560	8.084
15	4,027	310,685		0		0		0	2	1,393		0	1,714	7.715
16	3,195	7,991		0		0		0		0	1	8	72	.250
17	3,844	235,393		0		0		0	2	806		0	1,548	6.124
ALL	19,228	1,808,421		0		0	2	6,096	8	3,549	2	27	8,412	9.405
PURE PREMIUM		9.405		.000		.000		3.170		1.846		.014	4.375	

TABLE V

TOTAL MEDICAL EXPERIENCE ALL INDUSTRIES - MANUAL YEARS 2013 - 2017

MAN YEAR	PAYROLL IN THOUS	ALL LOSSES	NO.	DEATH COMP. IN HUNDREDS	PERM. NO.	TOTAL COMP. IN HUNDREDS	MAJOR NO.	PERM. COMP. IN HUNDREDS	MINOR NO.	PERM. COMP. IN HUNDREDS	TEMPORARY NO.	TEMPORARY COMP. IN HUNDREDS	MEDICAL ONLY IN HUNDREDS	PURE PREM.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
A. EXPERIENCE AS REPORTED														
13	3,701	177,767		0		0	3	1,320	3	243		0	215	4.803
14	4,461	29,757		0		0		0	1	291	1	7	0	.667
15	4,027	19,685		0		0		0	1	197		0	0	.489
16	3,195	3,547		0		0		0		0	2	35	0	.111
17	3,844	19,888		0		0		0	1	196		0	2	.517
ALL	19,228	250,644		0		0	3	1,320	6	927	3	42	217	1.304
B. REPORTED PAYROLLS, TRANSLATED LOSSES & PURE PREMIUMS (EXCLUDING IBNR AND FREQUENCY TREND)														
13	3,701	364,373		0		0	3	2,320	3	1,059		0	265	9.845
14	4,461	129,463		0		0		0	1	1,266	1	29	0	2.902
15	4,027	85,710		0		0		0	1	857		0	0	2.128
16	3,195	14,353		0		0		0		0	2	144	0	.449
17	3,844	77,539		0		0		0	1	772		0	3	2.017
ALL	19,228	671,438		0		0	3	2,320	6	3,954	3	173	268	3.492
PURE PREMIUM		3.492		.000		.000		1.207		2.056		.090	.139	
C. REPORTED PAYROLLS, TRANSLATED LOSSES & PURE PREMIUMS (INCLUDING IBNR AND FREQUENCY TREND)														
13	3,701	251,766		0		0	2	1,547	2	706		0	265	6.803
14	4,461	256,004		0		0		0	2	2,531	1	29	0	5.739
15	4,027	171,401		0		0		0	2	1,714		0	0	4.256
16	3,195	7,176		0		0		0		0	1	72	0	.225
17	3,844	154,760		0		0		0	2	1,545		0	3	4.026
ALL	19,228	841,107		0		0	2	1,547	8	6,496	2	101	268	4.374
PURE PREMIUM		4.374		.000		.000		.805		3.378		.053	.139	

**DELAWARE COMPENSATION RATING BUREAU, INC.
DECEMBER 1, 2020 F CLASS RATE FILING
RATE SELECTIONS**

<u>Code</u>	<u>Selection</u>	<u>Basis for Rate Selection</u>
6824F	9.08	Based on Filing Exhibit 16, Delaware F-Class Rates Comparison
6826F	7.93	Based on Filing Exhibit 16, Delaware F-Class Rates Comparison
6843F	9.99	Based on Filing Exhibit 16, Delaware F-Class Rates Comparison
6872F	12.37	Based on Filing Exhibit 16, Delaware F-Class Rates Comparison
7309F	28.41	Based on Filing Exhibit 16, Delaware F-Class Rates Comparison
7313F	10.38	Based on Filing Exhibit 16, Delaware F-Class Rates Comparison
7317F	21.98	Based on Filing Exhibit 16, Delaware F-Class Rates Comparison
7327F	14.92	Based on Filing Exhibit 16, Delaware F-Class Rates Comparison
7366F	7.00	Based on Filing Exhibit 16, Delaware F-Class Rates Comparison
8709F	2.80	Based on Filing Exhibit 16, Delaware F-Class Rates Comparison
8726F	3.37	Based on Filing Exhibit 16, Delaware F-Class Rates Comparison

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2013										
2014										
2015										
2016	49	1,214	2.477						1	1
2017										
TOTAL	49	1,214	2.478						1	1

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2016					453					761	
TOTAL					453					761	

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2016					863					3,079	
TOTAL					863					3,079	

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B		3,942		
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.		-870		
TOTAL LOSSES		3,072		
EXPECTED LOSSES	1,575	932	41	
CREDIBILITY	.00	.00	.00	
PURE PREMIUMS				
INDICATED (PRE-TEST)	.000	6,269	.000	6,269
INDICATED (POST-TEST)	.000	7,548	.000	7,548
PRES. ON RATE LEVEL	3,274	1,938	.085	5,297
DERIVED BY FORMULA	3,274	1,938	.085	5,297
UNDERLYING PRES. RATE	3,214	1,903	.083	5,200
PROPOSED	3,274	1,938	.085	5,297

YEAR	12-1-10	12-1-17	6-1-18	12-1-20	IND. RATE	7.381
IND. RATES				7.38	MINIMUM PREMIUM	
MAN. RATES	7.16	7.17	6.93	+ 7.38	PRESENT	2130

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED					NUMBER OF CASES						
								DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2013														
2014														
2015														
2016														
2017	10													
TOTAL	10													

REPORTED LOSSES													
MANUAL YEAR	INDEMNITY					MEDICAL							
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY		
TOTAL													

TRANSLATED LOSSES													
MANUAL YEAR	INDEMNITY					MEDICAL							
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY		
TOTAL													

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B				
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.		106		
TOTAL LOSSES		106		
EXPECTED LOSSES	357	223	11	
CREDIBILITY	.00	.00	.00	
PURE PREMIUMS				
INDICATED (PRE-TEST)	.000	1.060	.000	1.060
INDICATED (POST-TEST)	.000	1.276	.000	1.276
PRES. ON RATE LEVEL	3.637	2.271	.114	6.022
DERIVED BY FORMULA	3.637	2.271	.114	6.022
UNDERLYING PRES. RATE	3.571	2.229	.112	5.912
PROPOSED	3.637	2.271	.114	6.022

YEAR	12-1-10	12-1-17	6-1-18	12-1-20	IND. RATE	8.392
IND. RATES				8.39	MINIMUM PREMIUM	
MAN. RATES	8.15	8.16	7.88	+ 8.39	PRESENT	2385

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2013										
2014										
2015										
2016										
2017	13									
TOTAL	13									

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
TOTAL											

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
TOTAL											

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B				
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.		171		
TOTAL LOSSES		171		
EXPECTED LOSSES	591	361	15	
CREDIBILITY	.00	.00	.00	
PURE PREMIUMS				
INDICATED (PRE-TEST)	.000	1.315	.000	1.315
INDICATED (POST-TEST)	.000	1.583	.000	1.583
PRES. ON RATE LEVEL	4.633	2.828	.120	7.581
DERIVED BY FORMULA	4.633	2.828	.120	7.581
UNDERLYING PRES. RATE	4.548	2.776	.119	7.443
PROPOSED	4.633	2.828	.120	7.581

YEAR	12-1-10	12-1-17	6-1-18	12-1-20	IND. RATE	10.564
IND. RATES				10.56	MINIMUM PREMIUM	
MAN. RATES	10.25	10.27	9.92	+ 10.56	PRESENT	2925

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2013	1,203	608,735	50.601			3	2			5
2014	1,580									
2015	1,351									
2016	860									
2017	1,397	37,710	2.699				1			1
TOTAL	6,391	646,445	10.115			3	3			6

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2013			437,325	18,844				131,956	20,610		
2017				17,822					19,645		243
TOTAL			437,325	36,666				131,956	40,255		243

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2013			914,446	48,392				231,978	89,674		
2017				40,316					77,239		300
TOTAL			914,446	88,708				231,978	166,913		300

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL		
TOTAL TRANS. LOSSES PG B	1,146,424	255,621	300			
TOTAL TRANS. LOSSES PG A						
IBNR + FREQUENCY ADJUST.	-66,596	50,175				
TOTAL LOSSES	1,079,828	305,796	300			
EXPECTED LOSSES	797,916	506,103	20,387			
CREDIBILITY	.00	.01	.01			
PURE PREMIUMS						
INDICATED (PRE-TEST)	16.896	4.785	.005	21.686		
INDICATED (POST-TEST)	21.103	5.761	.006	26.870		
PRES. ON RATE LEVEL	12.717	8.066	.325	21.108		
DERIVED BY FORMULA	12.717	8.043	.322	21.082		
UNDERLYING PRES. RATE	12.485	7.919	.319	20.723		
PROPOSED	12.733	8.053	.322	21.108		
YEAR	12-1-10	12-1-17	6-1-18	12-1-20	IND. RATE	29.416
IND. RATES				29.42	MINIMUM PREMIUM	
MAN. RATES	28.51	28.59	27.62	+ 29.42	PRESENT	3000

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2013	502	21,479	4.278							
2014	546	1,676	.306						1	1
2015	415									
2016	12									
2017	12									
TOTAL	1,487	23,155	1.557						1	1

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2013											21,479
2014					1,009					667	
TOTAL					1,009					667	21,479

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2013											26,527
2014					1,932					2,892	
TOTAL					1,932					2,892	26,527

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B		4,824	26,527	
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.	-10,317	5,564		
TOTAL LOSSES		10,388	26,527	
EXPECTED LOSSES	68,922	41,294	1,800	
CREDIBILITY	.00	.00	.00	
PURE PREMIUMS				
INDICATED (PRE-TEST)	.000	.699	1.784	2.483
INDICATED (POST-TEST)	.000	.842	2.305	3.147
PRES. ON RATE LEVEL	4.721	2.829	.123	7.673
DERIVED BY FORMULA	4.721	2.829	.123	7.673
UNDERLYING PRES. RATE	4.635	2.777	.121	7.533
PROPOSED	4.721	2.829	.123	7.673

YEAR	12-1-10	12-1-17	6-1-18	12-1-20	IND. RATE	10.693
IND. RATES				10.69	MINIMUM PREMIUM	
MAN. RATES	10.38	10.39	10.04	+ 10.69	PRESENT	2955

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2013	478									
2014	693									
2015	689									
2016	468	3,188	.681						1	1
2017	664									
TOTAL	2,992	3,188	.107						1	1

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2016					402					2,786	
TOTAL					402					2,786	

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2016					766					11,274	
TOTAL					766					11,274	

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B		12,040		
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.	-20,807	16,808		
TOTAL LOSSES		28,848		
EXPECTED LOSSES	293,725	177,754	7,569	
CREDIBILITY	.00	.01	.01	
PURE PREMIUMS				
INDICATED (PRE-TEST)	.000	.964	.000	.964
INDICATED (POST-TEST)	.000	1.161	.000	1.161
PRES. ON RATE LEVEL	10.000	6.051	.258	16.309
DERIVED BY FORMULA	10.000	6.002	.255	16.257
UNDERLYING PRES. RATE	9.817	5.941	.253	16.011
PROPOSED	10.000	6.002	.255	16.257

YEAR	12-1-10	12-1-17	6-1-18	12-1-20	IND. RATE	22.655
IND. RATES				22.66	MINIMUM PREMIUM	
MAN. RATES	22.06	22.09	21.34	+ 22.66	PRESENT	3000

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2013										
2014	5									
2015	2									
2016										
2017										
TOTAL	7									

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
TOTAL											

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
TOTAL											

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B				
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.		98		
TOTAL LOSSES		98		
EXPECTED LOSSES	368	220	10	
CREDIBILITY	.00	.00	.00	
PURE PREMIUMS				
INDICATED (PRE-TEST)	.000	1.400	.000	1.400
INDICATED (POST-TEST)	.000	1.686	.000	1.686
PRES. ON RATE LEVEL	5.366	3.202	.137	8.705
DERIVED BY FORMULA	5.366	3.202	.137	8.705
UNDERLYING PRES. RATE	5.268	3.144	.134	8.546
PROPOSED	5.366	3.202	.137	8.705

YEAR	12-1-10	12-1-17	6-1-18	12-1-20	IND. RATE	12.131
IND. RATES				12.13	MINIMUM PREMIUM	
MAN. RATES	11.77	11.79	11.39	+ 12.13	PRESENT	3000

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2013	672									
2014	881	49,090	5.572				1			1
2015	1,028									
2016	1,197									
2017	1,101									
TOTAL	4,879	49,090	1.006				1			1

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2014				20,000					29,090		
TOTAL				20,000					29,090		

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2014				51,340					126,571		
TOTAL				51,340					126,571		

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B		177,911		
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.	-7,303	-601		
TOTAL LOSSES		177,310		
EXPECTED LOSSES	119,584	72,746	3,172	
CREDIBILITY	.00	.01	.01	
PURE PREMIUMS				
INDICATED (PRE-TEST)	.000	3.634	.000	3.634
INDICATED (POST-TEST)	.000	4.375	.000	4.375
PRES. ON RATE LEVEL	2.497	1.519	.066	4.082
DERIVED BY FORMULA	2.497	1.548	.065	4.110
UNDERLYING PRES. RATE	2.451	1.491	.065	4.007
PROPOSED	2.497	1.548	.065	4.110

YEAR	12-1-10	12-1-17	6-1-18	12-1-20	IND. RATE	TOTAL
IND. RATES				5.73	MINIMUM PREMIUM	5.727
MAN. RATES	5.52	5.53	5.34	+ 5.73	PRESENT	1710

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2013	693	3,756	.541				1			1
2014	142									
2015	97	46,820	48.268				1			1
2016	118									
2017	166									
TOTAL	1,216	50,576	4.159				2			2

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2013				34					3,722		
2015				27,135					19,685		
TOTAL				27,169					23,407		

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2013				87					16,194		
2015				69,628					85,710		
TOTAL				69,715					101,904		

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B		171,619		
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.	-3,008	-1,402		
TOTAL LOSSES		170,217		
EXPECTED LOSSES	11,904	7,333	291	
CREDIBILITY	.00	.00	.00	
PURE PREMIUMS				
INDICATED (PRE-TEST)	.000	13.998	.000	13.998
INDICATED (POST-TEST)	.000	16.854	.000	16.854
PRES. ON RATE LEVEL	.997	.614	.025	1.636
DERIVED BY FORMULA	.997	.614	.025	1.636
UNDERLYING PRES. RATE	.979	.603	.024	1.606
PROPOSED	.997	.614	.025	1.636

YEAR	12-1-10	12-1-17	6-1-18	12-1-20	IND. RATE	TOTAL
IND. RATES				2.28	MINIMUM PREMIUM	
MAN. RATES	2.21	2.21	2.14	+ 2.28	PRESENT	860

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2013	153									
2014	614									
2015	445									
2016	491									
2017	481									
TOTAL	2,184									

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
TOTAL											

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
TOTAL											

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B				
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.	-906	1,403		
TOTAL LOSSES		1,403		
EXPECTED LOSSES	29,178	17,582	765	
CREDIBILITY	.00	.01	.01	
PURE PREMIUMS				
INDICATED (PRE-TEST)	.000	.064	.000	.064
INDICATED (POST-TEST)	.000	.077	.000	.077
PRES. ON RATE LEVEL	1.361	.820	.035	2.216
DERIVED BY FORMULA	1.361	.813	.035	2.209
UNDERLYING PRES. RATE	1.336	.805	.035	2.176
PROPOSED	1.361	.813	.035	2.209

YEAR	12-1-10	12-1-17	6-1-18	12-1-20	IND. RATE	3.078
IND. RATES				3.08	MINIMUM PREMIUM	
MAN. RATES	3.00	3.00	2.90	+ 3.08	PRESENT	1065

+PROPOSED