

DELAWARE COMPENSATION RATING BUREAU, INC.

DECEMBER 1, 2017 F CLASS RATE FILING

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Delaware F Class Rate Revision
Proposed Effective December 1, 2017

Calculation of Composite Pure Premium Multiplier

Item	Total
(1) Pure Premium Test Correction Factor	1.0007
(2) Off-Balance Factor (Collectible Prem Ratio)	0.9697
(3) Expense Provision (1 / 0.7029)	1.4227
(4) Rate Test Correction Factor	0.9987
(5) Composite Pure Premium Multiplier (1)*(2)*(3)*(4)	1.3788

CALCULATION OF PER CLAIM AND CATASTROPHE LIMITATIONS

All Death, Permanent Total and Major Disability claims in the Delaware experience for Manual Years 2010 through 2014 were translated using composite multipliers, yielding an average claim value of \$568,000. A value of \$1,109,530 was selected based on a review of Delaware State Act coverage experience as reported in the 12/1/17 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) * \$1,109,530	Per Accident Limit (3) * 2
(1)	(2)	(3)	(4)
A	0.70	776,671	1,553,342
B	0.79	876,529	1,753,058
C	0.90	998,577	1,997,154
D	1.02	1,131,721	2,263,442
E	1.15	1,275,960	2,551,920
F	1.30	1,442,389	2,884,778
G	1.47	1,631,009	3,262,018

@ From Delaware State Act Coverage Rate & Loss Cost filing proposal effective 12/1/17.

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	5	22,703	5,695	28,398	5,680
Total Serious	5	22,703	5,695	28,398	5,680
Minor	7	2,914	5,703	8,617	1,231
Temporary	1	53	411	464	464
Total Non-Serious	8	2,967	6,114	9,081	1,135

Accordingly, the criteria for 100 percent credibility will be:

Selected @

Serious: 175 *	5,680 =	994,000	194,167,750
Non-Serious: 500 *	1,135 =	567,500	32,856,500
Medical: .10 *	567,500 =	56,750	3,285,650

@ From Delaware State Act Coverage Rate & Loss Cost filing proposal effective 12/1/17.

EXPECTED LOSS CREDIBILITY TABLE

Serious, Non-Serious and Medical

Credibility (1)	Serious (2)	Non-Serious (3)	Medical (4)
1.00	192,713,387	32,610,397	3,261,040
0.99	189,815,615	32,120,045	3,212,005
0.98	186,932,514	31,632,175	3,163,218
0.97	184,064,158	31,146,800	3,114,680
0.96	181,210,624	30,663,933	3,066,393
0.95	178,371,989	30,183,588	3,018,359
0.94	175,548,331	29,705,777	2,970,578
0.93	172,739,730	29,230,513	2,923,051
0.92	169,946,269	28,757,812	2,875,781
0.91	167,168,028	28,287,686	2,828,769
0.90	164,405,092	27,820,150	2,782,015
0.89	161,657,547	27,355,219	2,735,522
0.88	158,925,479	26,892,906	2,689,291
0.87	156,208,976	26,433,227	2,643,323
0.86	153,508,127	25,976,198	2,597,620
0.85	150,823,025	25,521,833	2,552,183
0.84	148,153,763	25,070,148	2,507,015
0.83	145,500,434	24,621,159	2,462,116
0.82	142,863,135	24,174,883	2,417,488
0.81	140,241,964	23,731,336	2,373,134
0.80	137,637,021	23,290,535	2,329,054
0.79	135,048,408	22,852,498	2,285,250
0.78	132,476,228	22,417,241	2,241,724
0.77	129,920,588	21,984,783	2,198,478
0.76	127,381,594	21,555,142	2,155,514
0.75	124,859,358	21,128,337	2,112,834
0.74	122,353,990	20,704,386	2,070,439
0.73	119,865,606	20,283,308	2,028,331
0.72	117,394,321	19,865,125	1,986,513
0.71	114,940,256	19,449,855	1,944,986
0.70	112,503,532	19,037,520	1,903,752
0.69	110,084,273	18,628,140	1,862,814
0.68	107,682,607	18,221,737	1,822,174
0.67	105,298,663	17,818,333	1,781,833
0.66	102,932,574	17,417,950	1,741,795
0.65	100,584,475	17,020,612	1,702,061
0.64	98,254,507	16,626,341	1,662,634
0.63	95,942,810	16,235,163	1,623,516
0.62	93,649,531	15,847,101	1,584,710
0.61	91,374,819	15,462,181	1,546,218
0.60	89,118,827	15,080,428	1,508,043
0.59	86,881,710	14,701,870	1,470,187
0.58	84,663,631	14,326,533	1,432,653
0.57	82,464,754	13,954,445	1,395,445
0.56	80,285,248	13,585,636	1,358,564
0.55	78,125,287	13,220,133	1,322,013
0.54	75,985,049	12,857,969	1,285,797
0.53	73,864,718	12,499,172	1,249,917
0.52	71,764,483	12,143,777	1,214,378
0.51	69,684,537	11,791,814	1,179,181
0.50	67,625,082	11,443,319	1,144,332

EXPECTED LOSS CREDIBILITY TABLE

Serious, Non-Serious and Medical

Credibility (1)	Serious (2)	Non-Serious (3)	Medical (4)
0.49	65,586,322	11,098,326	1,109,833
0.48	63,568,471	10,756,871	1,075,687
0.47	61,571,746	10,418,992	1,041,899
0.46	59,596,375	10,084,725	1,008,473
0.45	57,642,590	9,754,111	975,411
0.44	55,710,634	9,427,191	942,719
0.43	53,800,755	9,104,007	910,401
0.42	51,913,211	8,784,602	878,460
0.41	50,048,271	8,469,023	846,902
0.40	48,206,211	8,157,315	815,732
0.39	46,387,320	7,849,527	784,953
0.38	44,591,897	7,545,711	754,571
0.37	42,820,253	7,245,919	724,592
0.36	41,072,711	6,950,205	695,021
0.35	39,349,608	6,658,626	665,863
0.34	37,651,296	6,371,243	637,124
0.33	35,978,144	6,088,117	608,812
0.32	34,330,534	5,809,313	580,931
0.31	32,708,870	5,534,900	553,490
0.30	31,113,573	5,264,948	526,495
0.29	29,545,087	4,999,534	499,953
0.28	28,003,879	4,738,735	473,874
0.27	26,490,440	4,482,635	448,264
0.26	25,005,289	4,231,323	423,132
0.25	23,548,977	3,984,890	398,489
0.24	22,122,086	3,743,435	374,344
0.23	20,725,235	3,507,064	350,706
0.22	19,359,087	3,275,889	327,589
0.21	18,024,346	3,050,028	305,003
0.20	16,721,771	2,829,610	282,961
0.19	15,452,177	2,614,773	261,477
0.18	14,216,443	2,405,665	240,567
0.17	13,015,526	2,202,450	220,245
0.16	11,850,465	2,005,301	200,530
0.15	10,722,400	1,814,414	181,441
0.14	9,632,588	1,629,999	163,000
0.13	8,582,422	1,452,293	145,229
0.12	7,573,460	1,281,559	128,156
0.11	6,607,459	1,118,095	111,810
0.10	5,686,424	962,240	96,224
0.09	4,812,667	814,386	81,439
0.08	3,988,902	674,991	67,499
0.07	3,218,372	544,604	54,460
0.06	2,505,046	423,897	42,390
0.05	1,853,946	313,720	31,372
0.04	1,271,711	215,196	21,520
0.03	767,728	129,913	12,991
0.02	356,822	60,381	6,038
0.01	68,676	11,622	1,162
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/>		
	715,564,010		
B)	<hr/> Five Year Expected Losses * <hr/>		
	Serious	Non-Serious	Medical Only
	657,010,388	482,767,291	54,808,570
C) =A/B	<hr/> Ratio Payroll to Expected Loss <hr/>		
	Serious	Non-Serious	Medical Only
	1.0891	1.4822	13.0557

* 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	209,884,150	48,335,130	42,575,160
0.99	206,728,186	47,608,331	41,934,974
0.98	203,588,201	46,885,210	41,298,025
0.97	200,464,274	46,165,787	40,664,328
0.96	197,356,491	45,450,081	40,033,907
0.95	194,264,933	44,738,114	39,406,790
0.94	191,189,687	44,029,903	38,782,975
0.93	188,130,840	43,325,466	38,162,477
0.92	185,088,482	42,624,829	37,545,334
0.91	182,062,699	41,928,008	36,931,559
0.90	179,053,586	41,235,026	36,321,153
0.89	176,061,234	40,545,906	35,714,155
0.88	173,085,739	39,860,665	35,110,577
0.87	170,127,196	39,179,329	34,510,432
0.86	167,185,701	38,501,921	33,913,747
0.85	164,261,357	37,828,461	33,320,536
0.84	161,354,263	37,158,973	32,730,836
0.83	158,464,523	36,493,482	32,144,648
0.82	155,592,240	35,832,012	31,561,998
0.81	152,737,523	35,174,586	30,982,926
0.80	149,900,480	34,521,231	30,407,430
0.79	147,081,221	33,871,973	29,835,538
0.78	144,279,860	33,226,835	29,267,276
0.77	141,496,512	32,585,845	28,702,669
0.76	138,731,294	31,949,031	28,141,744
0.75	135,984,327	31,316,421	27,584,527
0.74	133,255,731	30,688,041	27,031,030
0.73	130,545,631	30,063,919	26,481,281
0.72	127,854,155	29,444,088	25,935,318
0.71	125,181,433	28,828,575	25,393,154
0.70	122,527,597	28,217,412	24,854,815
0.69	119,892,782	27,610,629	24,320,341
0.68	117,277,127	27,008,259	23,789,757
0.67	114,680,774	26,410,333	23,263,077
0.66	112,103,866	25,816,885	22,740,353
0.65	109,546,552	25,227,951	22,221,598
0.64	107,008,984	24,643,563	21,706,851
0.63	104,491,314	24,063,759	21,196,138
0.62	101,993,704	23,488,573	20,689,498
0.61	99,516,315	22,918,045	20,186,958
0.60	97,059,314	22,352,210	19,688,557
0.59	94,622,870	21,791,112	19,194,320
0.58	92,207,161	21,234,787	18,704,288
0.57	89,812,364	20,683,278	18,218,511
0.56	87,438,664	20,136,630	17,737,004
0.55	85,086,250	19,594,881	17,259,805
0.54	82,755,317	19,058,082	16,786,980
0.53	80,446,064	18,526,273	16,318,541
0.52	78,158,698	17,999,506	15,854,555
0.51	75,893,429	17,477,827	15,395,033
0.50	73,650,477	16,961,287	14,940,055

PAYROLL CREDIBILITY TABLE (IN 00'S)

Serious, Non-Serious and Medical

Credibility (1)	Serious (2)	Non-Serious (3)	Medical (4)
0.49	71,430,063	16,449,939	14,489,647
0.48	69,232,422	15,943,834	14,043,847
0.47	67,057,789	15,443,030	13,602,721
0.46	64,906,412	14,947,579	13,166,321
0.45	62,778,545	14,457,543	12,734,673
0.44	60,674,451	13,972,983	12,307,856
0.43	58,594,402	13,493,959	11,885,922
0.42	56,538,678	13,020,537	11,468,910
0.41	54,507,572	12,552,786	11,056,898
0.40	52,501,384	12,090,772	10,649,952
0.39	50,520,430	11,634,569	10,248,111
0.38	48,565,035	11,184,253	9,851,453
0.37	46,635,538	10,739,901	9,460,056
0.36	44,732,290	10,301,594	9,073,986
0.35	42,855,658	9,869,415	8,693,308
0.34	41,006,026	9,443,456	8,318,100
0.33	39,183,797	9,023,807	7,948,467
0.32	37,389,385	8,610,564	7,584,461
0.31	35,623,230	8,203,829	7,226,199
0.30	33,885,792	7,803,706	6,873,761
0.29	32,177,554	7,410,309	6,527,236
0.28	30,499,025	7,023,753	6,186,757
0.27	28,850,738	6,644,162	5,852,400
0.26	27,233,260	6,271,667	5,524,284
0.25	25,647,191	5,906,404	5,202,553
0.24	24,093,164	5,548,519	4,887,323
0.23	22,571,853	5,198,170	4,578,712
0.22	21,083,982	4,855,523	4,276,904
0.21	19,630,315	4,520,752	3,982,028
0.20	18,211,681	4,194,048	3,694,254
0.19	16,828,966	3,875,617	3,413,765
0.18	15,483,128	3,565,677	3,140,771
0.17	14,175,209	3,264,471	2,875,453
0.16	12,906,341	2,972,257	2,618,060
0.15	11,677,766	2,689,324	2,368,839
0.14	10,490,852	2,415,985	2,128,079
0.13	9,347,116	2,152,589	1,896,066
0.12	8,248,255	1,899,527	1,673,166
0.11	7,196,184	1,657,240	1,459,758
0.10	6,193,084	1,426,232	1,256,272
0.09	5,241,476	1,207,083	1,063,243
0.08	4,344,313	1,000,472	881,247
0.07	3,505,129	807,212	711,013
0.06	2,728,246	628,300	553,431
0.05	2,019,133	464,996	409,583
0.04	1,385,020	318,964	280,959
0.03	836,133	192,557	169,607
0.02	388,615	89,497	78,830
0.01	74,795	17,226	15,171
0.00	0	0	0

TABLE V

TOTAL EXPERIENCE ALL INDUSTRIES - MANUAL YEARS 2010 - 2014

MAN YEAR	PAYROLL IN THOUS	ALL LOSSES	NO. DEATH COMP. IN HUNDREDS	PERM. NO. COMP. IN HUNDREDS	MAJOR PERM. NO. COMP. IN HUNDREDS	MINOR PERM. NO. COMP. IN HUNDREDS	TEMPORARY NO. 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														
10	1,272	0	0	0	0	0	0	0	0	0	0	0	0	.000
11	1,378	39	0	0	0	0	0	0	0	0	0	0	0	.003
12	3,137	897,983	0	0	2	6,244	3	667	1	3	2,066	28.626		
13	3,210	561,571	0	0	3	3,883	3	189		0	1,544	17.494		
14	3,923	50,819	0	0		0	1	217		0	291	1.295		
ALL	12,920	1,510,412	0	0	5	10,127	7	1,073	1	3	3,901	11.690		
B. REPORTED PAYROLLS, TRANSLATED LOSSES & PURE PREMIUMS (EXCLUDING IBNR AND FREQUENCY TREND)														
10	1,272	0	0	0	0	0	0	0	0	0	0	0	0	.000
11	1,378	47	0	0	0	0	0	0	0	0	0	0	0	.003
12	3,137	2,610,818	0	0	5	15,219	5	2,082	1	53	8,754	83.227		
13	3,210	1,013,976	0	0		7,484	1	416		0	2,241	31.588		
14	3,923	123,103	0	0		0	1	416		0	815	3.138		
ALL	12,920	3,747,944	0	0	5	22,703	7	2,914	1	53	11,810	29.009		
PURE PREMIUM		29.009	.000	.000		17.572		2.255		.041	9.141			
C. REPORTED PAYROLLS, TRANSLATED LOSSES & PURE PREMIUMS (INCLUDING IBNR AND FREQUENCY TREND)														
10	1,272	0	0	0	0	0	0	0	0	0	0	0	0	.000
11	1,378	47	0	0	0	0	0	0	0	0	0	0	0	.003
12	3,137	682,542	0	0	1	3,046	2	833	1	53	2,894	21.758		
13	3,210	1,137,069	0	0		7,484	2	831		0	3,056	35.423		
14	3,923	246,184	0	0		0	2	831		0	1,631	6.275		
ALL	12,920	2,065,842	0	0	1	10,530	6	2,495	1	53	7,581	15.989		
PURE PREMIUM		15.989	.000	.000		8.150		1.931		.041	5.868			

TABLE V

TOTAL MEDICAL EXPERIENCE ALL INDUSTRIES - MANUAL YEARS 2010 - 2014

MAN YEAR	PAYROLL IN THOUS	ALL LOSSES	DEATH 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														
10	1,272	0		0		0		0		0		0	0	.000
11	1,378	39		0		0		0		0		0	0	.003
12	3,137	206,570		0		0	2	1,375	3	684	1	7	0	6.585
13	3,210	154,352		0		0	3	1,305	3	239		0	0	4.808
14	3,923	29,090		0		0		0	1	291		0	0	.742
ALL	12,920	390,051		0		0	5	2,680	7	1,214	1	7	0	3.019
B. REPORTED PAYROLLS, TRANSLATED LOSSES & PURE PREMIUMS (EXCLUDING IBNR AND FREQUENCY TREND)														
10	1,272	0		0		0		0		0		0	0	.000
11	1,378	47		0		0		0		0		0	0	.003
12	3,137	875,393		0		0	5	4,270	5	4,073	1	411	0	27.905
13	3,210	224,055		0		0		1,425	1	815		0	0	6.980
14	3,923	81,544		0		0		0	1	815		0	0	2.079
ALL	12,920	1,181,039		0		0	5	5,695	7	5,703	1	411	0	9.141
PURE PREMIUM		9.141		.000		.000		4.408		4.414		.318	.000	
C. REPORTED PAYROLLS, TRANSLATED LOSSES & PURE PREMIUMS (INCLUDING IBNR AND FREQUENCY TREND)														
10	1,272	0		0		0		0		0		0	0	.000
11	1,378	47		0		0		0		0		0	0	.003
12	3,137	289,379		0		0	1	854	2	1,629	1	411	0	9.225
13	3,210	305,584		0		0		1,425	2	1,630		0	0	9.520
14	3,923	163,067		0		0		0	2	1,631		0	0	4.157
ALL	12,920	758,077		0		0	1	2,279	6	4,890	1	411	0	5.867
PURE PREMIUM		5.867		.000		.000		1.764		3.785		.318	.000	

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2010	45									
2011	36									
2012	1,226	897,983	73.244			2	3	1		6
2013	1,203	557,912	46.376			3	2			5
2014	1,580									
TOTAL	4,090	1,455,895	35.596			5	5	1		11

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2012			624,425	66,697	291			137,452	68,414	704	
2013			388,341	18,844				130,492	20,235		
TOTAL			1,012,766	85,541	291			267,944	88,649	704	

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2012			1,437,995	208,229	5,276			401,571	407,268	41,076	
2013			748,358	41,488				142,548	69,124		
TOTAL			2,186,353	249,717	5,276			544,119	476,392	41,076	

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B	2,730,472	772,461		
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.	-584,652	-9,322		
TOTAL LOSSES	2,145,820	763,139		
EXPECTED LOSSES	480,248	303,561	12,392	
CREDIBILITY	.00	.01	.01	
PURE PREMIUMS				
INDICATED (PRE-TEST)	52.465	18.659	.000	71.124
INDICATED (POST-TEST)	19.727	10.449	.000	30.176
PRES. ON RATE LEVEL	12.491	7.896	.322	20.709
DERIVED BY FORMULA	12.491	7.922	.319	20.732
UNDERLYING PRES. RATE	11.742	7.422	.303	19.467
PROPOSED	12.491	7.922	.319	20.732

YEAR	12-1-08	12-1-09	12-1-10	12-1-17	IND. RATE	28.585
IND. RATES				28.59	MINIMUM PREMIUM	
MAN. RATES	30.51	30.51	28.51	+ 28.59	PRESENT	3000

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED					NUMBER OF CASES					
								DEATH	P . T .	MAJOR	MINOR	TEMP	ALL
2010	36												
2011	28												
2012	15												
2013	11												
2014	8												
TOTAL	98												

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.	-2,657	-245		
TOTAL LOSSES				
EXPECTED LOSSES	4,274	2,559	112	
CREDIBILITY	.00	.00	.00	
PURE PREMIUMS				
INDICATED (PRE-TEST)	.000	.000	.000	.000
INDICATED (POST-TEST)	.000	.000	.000	.000
PRES. ON RATE LEVEL	4.639	2.779	.121	7.539
DERIVED BY FORMULA	4.639	2.779	.121	7.539
UNDERLYING PRES. RATE	4.361	2.612	.114	7.087
PROPOSED	4.639	2.779	.121	7.539

YEAR	12-1-08	12-1-09	12-1-10	12-1-17	IND. RATE	10.394
IND. RATES				10.39	MINIMUM PREMIUM	
MAN. RATES	11.11	11.11	10.38	+ 10.39	PRESENT	2700

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2010										
2011										
2012	493									
2013	478									
2014	693									
TOTAL	1,664									

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.	-184,885	-1,305		
TOTAL LOSSES				
EXPECTED LOSSES	153,655	92,985	4,010	
CREDIBILITY	.00	.00	.01	
PURE PREMIUMS				
INDICATED (PRE-TEST)	.000	.000	.000	.000
INDICATED (POST-TEST)	.000	.000	.000	.000
PRES. ON RATE LEVEL	9.823	5.945	.256	16.024
DERIVED BY FORMULA	9.823	5.945	.253	16.021
UNDERLYING PRES. RATE	9.234	5.588	.241	15.063
PROPOSED	9.823	5.945	.253	16.021

YEAR	12-1-08	12-1-09	12-1-10	12-1-17	IND. RATE	22.089
IND. RATES				22.09	MINIMUM PREMIUM	
MAN. RATES	23.60	23.60	22.06	+ 22.09	PRESENT	3000

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2010										
2011										
2012										
2013										
2014	5									
TOTAL	5									

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.		77		
TOTAL LOSSES		77		
EXPECTED LOSSES	248	148	6	
CREDIBILITY	.00	.00	.00	
PURE PREMIUMS				
INDICATED (PRE-TEST)	.000	1.540	.000	1.540
INDICATED (POST-TEST)	.000	.862	.000	.862
PRES. ON RATE LEVEL	5.271	3.145	.134	8.550
DERIVED BY FORMULA	5.271	3.145	.134	8.550
UNDERLYING PRES. RATE	4.955	2.956	.126	8.037
PROPOSED	5.271	3.145	.134	8.550

YEAR	12-1-08	12-1-09	12-1-10	12-1-17	IND. RATE	11.788
IND. RATES				11.79	MINIMUM PREMIUM	
MAN. RATES	12.59	12.59	11.77	+ 11.79	PRESENT	3000

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2010	663									
2011	747									
2012	701									
2013	672									
2014	881	50,819	5.768						1	1
TOTAL	3,664	50,819	1.387						1	1

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2014				21,729					29,090		
TOTAL				21,729					29,090		

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2014				41,559					81,544		
TOTAL				41,559					81,544		

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL		
TOTAL TRANS. LOSSES PG B		123,103				
TOTAL TRANS. LOSSES PG A						
IBNR + FREQUENCY ADJUST.	-65,680	-1,283				
TOTAL LOSSES		121,820				
EXPECTED LOSSES	84,528	51,296	2,272			
CREDIBILITY	.00	.01	.01			
PURE PREMIUMS						
INDICATED (PRE-TEST)	.000	3.325	.000	3.325		
INDICATED (POST-TEST)	.000	1.862	.000	1.862		
PRES. ON RATE LEVEL	2.454	1.489	.066	4.009		
DERIVED BY FORMULA	2.454	1.493	.065	4.012		
UNDERLYING PRES. RATE	2.307	1.400	.062	3.769		
PROPOSED	2.452	1.492	.065	4.009		
IND. RATES						
YEAR	12-1-08	12-1-09	12-1-10	12-1-17	IND. RATE	5.527
IND. RATES				5.53	MINIMUM PREMIUM	
MAN. RATES	5.90	5.90	5.52	+ 5.53	PRESENT	1555

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2010	201									
2011	393									
2012	543									
2013	693	3,659	.527						1	1
2014	142									
TOTAL	1,972	3,659	.186						1	1

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2013				34					3,625		
TOTAL				34					3,625		

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2013				75					12,383		
TOTAL				75					12,383		

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B		12,458		
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.	-20,245	-1,502		
TOTAL LOSSES		10,956		
EXPECTED LOSSES	18,104	11,201	453	
CREDIBILITY	.00	.01	.01	
PURE PREMIUMS				
INDICATED (PRE-TEST)	.000	.556	.000	.556
INDICATED (POST-TEST)	.000	.311	.000	.311
PRES. ON RATE LEVEL	.977	.604	.024	1.605
DERIVED BY FORMULA	.977	.601	.024	1.602
UNDERLYING PRES. RATE	.918	.568	.023	1.509
PROPOSED	.977	.601	.024	1.602

YEAR	12-1-08	12-1-09	12-1-10	12-1-17	IND. RATE	2.208
IND. RATES				2.21	MINIMUM PREMIUM	
MAN. RATES	2.36	2.36	2.21	+ 2.21	PRESENT	780

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2010	327									
2011	174	39	.022							
2012	159									
2013	153									
2014	614									
TOTAL	1,427	39	.003							

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2011											39
TOTAL											39

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2011											47
TOTAL											47

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B			47	
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.	-8,123	1,483		
TOTAL LOSSES		1,483	47	
EXPECTED LOSSES	17,952	10,802	470	
CREDIBILITY	.00	.00	.00	
PURE PREMIUMS				
INDICATED (PRE-TEST)	.000	.104	.003	.107
INDICATED (POST-TEST)	.000	.058	.021	.079
PRES. ON RATE LEVEL	1.338	.806	.035	2.179
DERIVED BY FORMULA	1.338	.806	.035	2.179
UNDERLYING PRES. RATE	1.258	.757	.033	2.048
PROPOSED	1.338	.806	.035	2.179

YEAR	12-1-08	12-1-09	12-1-10	12-1-17	IND. RATE	3.004
IND. RATES				3.00	MINIMUM PREMIUM	
MAN. RATES	3.21	3.21	3.00	+ 3.00	PRESENT	965

+PROPOSED