DELAWARE COMPENSATION RATING BUREAU, INC

Review of Experience Rating Plan Parameters

Page 20.1 contains Collectible Premium Ratios.

Page 20.2 contains Expected Loss Cost Factors. They are applied to residual market rates by classification to produce Table A, Expected Loss Factors, which are the basis for the calculation of Expected Losses.

Page 20.3 contains the derivation of various factors, i.e., maximum single loss size, self-rating point, that are used to produce Table B.

COLLECTIBLE PREMIUM RATIOS *

Manual Years 2008 to 2010 Unit Data

Manual	December of	Collectible			
Manual Year	Premium at Manual Rates	Collected Premium (Excluding Constants)	Premium Ratio (2)/(3)		
(1)	(2)	(3)	(4)		
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	AL	L INDUSTRIES			
2008	243,097,942	0.8673			
2009	181,556,059	213,108,442	0.8519		
2010	166,708,775	186,914,327	0.8919		
TOTAL	591,362,776	680,299,671	0.8693		
SELECTED			0.8706		
	MANUFAC	TURING AND UTILITIES			
2008	34,507,866	39,629,869	0.8708		
2009	26,710,076	30,394,115	0.8788		
2010	21,270,234	21,925,978	0.9701		
TOTAL	82,488,176	91,949,962	0.8971		
SELECTED			0.9171		
	CONTRAC	TING AND QUARRYING	_		
2008	49,082,708	51,322,117	0.9564		
2009	34,678,748	36,949,879	0.9385		
2010	33,570,584	34,298,854	0.9788		
TOTAL	117,332,040	122,570,850	0.9573		
SELECTED			0.9579		
_	ОТН	IER INDUSTRIES			
2008	159,507,368	189,324,916	0.8425		
2009	120,167,235	145,764,448	0.8244		
2010	111,867,957	130,689,495	0.8560		
TOTAL	391,542,560	465,778,859	0.8406		
SELECTED			0.8393		

^{*} Excludes classifications and coverages not subject to experience rating.

CALCULATION OF EXPECTED LOSS RATE FACTORS

Policy Year Beginning 12/1 (1)	Average Law Multiplier (2)	Adjustment Factor (3)	Loss Ratio Development Factor (4)	Expense Allowance ** 1 / (PLR/CPR) (5)	Trend Factor (6)	Product (2) * (3) * (4) *(5) * (6) (7)	Expected Loss Rate Factor 1.0 / (7)	Factor to Reflect Approved Rate Levels* (9)	Combined Effect (8) * (9) (10)
Manufacturing and Utilities									
			<u></u>	<u></u>					
2009	0.9173	1.0000	1.7667	1.5666	1.4879	3.7775	0.2647	1.2434	0.3291
2010	0.9277	1.0000	2.0062	1.5666	1.3452	3.9222	0.2550	1.2434	0.3171
2011	0.9340	1.0000	3.2447	1.5666	1.2174	5.7798	0.1730	1.2434	0.2151
Contracting and Quarrying									
2009	0.9173	1.0000	1.8546	1.6363	1.4879	4.1419	0.2414	1.2435	0.3002
2010	0.9277	1.0000	2.2313	1.6363	1.3452	4.5563	0.2195	1.2435	0.2729
2011	0.9340	1.0000	3.1901	1.6363	1.2174	5.9354	0.1685	1.2435	0.2095
Other Industries									
2009	0.9173	1.0000	1.7581	1.4337	1.4879	3.4402	0.2907	1.2435	0.3615
2010	0.9173	1.0000	2.0774	1.4337	1.4679	3.4402 3.7168	0.2907	1.2435	0.3345
2010	0.9340	1.0000	2.9887	1.4337	1.3432	4.8722	0.2052	1.2435	0.3545
2011	0.3340	1.0000	2.3001	1.4337	1.2114	4.0722	0.2002	1.2400	0.2002

^{* (12/1/13} Final Indicated Change in Manual Rate Level)/(12/1/13 Approved Indicated Change in Manual Rate Level) by Industry Group, from Page 1.

** Permissible Loss Ratio = 0.5854
Collectible Premium Ratios
Manufacturing = 0.9171

 Manufacturing =
 0.9171

 Contracting =
 0.9579

 All Other =
 0.8393

Experience Rating Plan Parameters

(1)	Eligibility Point = (3,161 = 1 yr Prem)	3 yr =		\$9,483	
(2)	Permissible Loss Ratio =			0.6724	(a)
(3)	Expected Losses needed to achieve 5% cred (1)*(2) = \$9,483*0.6724 =	libility		\$6,376	
(4)	Max Value : $\frac{0.25 * \$6,376}{0.05} =$				\$31,880
(5)	K-Value a) If (3) is assigned 5% credibility, then $K = \frac{E(1-c)}{c} = \frac{\$6,376 * (105)}{.05} =$				\$121,144
(6)	.055 Credibility Interval - the .0525 left endpo corresponds to $E = (K * C) = (1-C)$	int <u>121,144 * .0525</u> = .9475			\$6,712
(7)	Right endpoint for .05 credibility interval =			\$6,711	
(8)	Self rating point = 25 * average serious claim				
	= 25 * 344,468 =			\$8,611,700	
	6% of (8) rounded to the nearest \$1,000 =			517,000	
			Selected =	517,000	

(a) Standard LR / CPR = Manual LR 0.5854/0.8706 = 0.6724