## DELAWARE COMPENSATION RATING BUREAU, INC.

Tax Multiplier

## CALCULATION OF TAX MULTIPLIER FOR USE IN RETROSPECTIVE RATING PLANS (O/T U.S.L. & H.W. Act Coverages)

## Expense Provisions for O/T U.S.L. & H.W. Classes

Losses	57.08
Loss Adjustment Expense	11.63
Loss & Loss Adjustment	68.71
Premium Discount	9.15
Acquisition	8.82
General Expenses	3.44
Profit and Contingencies	0.79
Taxes	2.35
Uncollectible Premium	1.00
Workers' Compensation Fund	3.50
Administrative Assessment	2.24
	31.29

<u>If</u>

T = Tax multiplier

E = Expense provision in rates (General, Acquisition, and Profit), less premium discount

L = Loss provision in rates

C = Loss conversion factor

B = Assessments made on premiums

A = Assessments made on losses (adjusted so as not to collect profit and general expense dollars on the extra premium generated by the assessments)

Using average discount (Schedule Y) this yields:

$$ACQ$$
 GEN PROFIT PREM DISC E = 0.0390 = 0.0882 + 0.0344 + 0.0079 - 0.0915

Then

$$T = \frac{E + L (1 + C + A)}{E + L (1 + C)} \times \frac{1}{1 - B - S}$$

$$T = \underbrace{\begin{array}{ccc} 0.0390 + 0.5708 & (1 + 0.2037 + 0.0383) & x & 1 & = & 1.1530 \\ 0.0390 + 0.5708 & (1 + 0.2037) & & 1 - 0.0685 - 0.0381 \end{array}}_{\begin{subarray}{c} \hline \end{array}} = \underbrace{\begin{array}{cccc} 1.1530 & & & & \\ \hline \end{array}}_{\begin{subarray}{c} \hline \end{array}}$$