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	59.56
Loss Adjustment Expense	15.72
Loss & Loss Adjustment	75.28
Premium Discount	8.40
Acquisition	6.28
General Expenses	2.63
Profit and Contingencies	(1.95)
Taxes	2.30
Uncollectible Premium	2.67
Workers' Compensation Fund	1.00
Administrative Assessment	3.39
	24.72

<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 = (0.0144) = 0.0628 + 0.0263 + (0.0195) - 0.0840

$$A = 0.0576 = 0.0570 \times 1 - 0.0144 - 0.0597$$
$$1 - 0.0047 - 0.0597$$

Then

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

$$T = \frac{-0.0144 + 0.5956 (1 + 0.2640 + 0.0576)}{-0.0144 + 0.5956 (1 + 0.2640)} \times \frac{1}{1 - 0.0597 - 0.0077} = 1.1221$$