



## The SIGMA Advantage for Audit Firms

### ▶ Review Services

SIGMA provides audit support services in connection with the review of third-party actuarial studies. Our actuaries opine upon the appropriateness of the methodology and assumptions used in the third party study.

### ▶ Consulting Services

SIGMA provides actuarial specialist consulting in support of audit services.

### ▶ Full Independent Actuarial Review

SIGMA completes an independent actuarial analysis of a company's loss expense reserves. SIGMA will then:

- Compare the results of the SIGMA independent analysis to the results of the analysis produced by the third party actuary.
- Based on the comparison of the SIGMA analysis to the third party analysis, SIGMA may opine on the reasonableness of the estimates produced by the third party analysis, as well as the assumptions and methodologies used.
- SIGMA can also issue an actuarial opinion on the specific amount of estimated required reserves if needed.

## SIGMA Background

We estimate funding levels for insurance programs. An analysis of past and future liabilities is necessary to ensure proper financial reporting and program funding. Typically, these liabilities account for the majority of the total cost of risk for an insurance program.

We provide a full range of actuarial consulting services and serve as a resource for meeting any property/casualty actuarial need.

We can assist in the process of developing both traditional and alternative insurance programs for entities of all sizes and types.

## ANALYSES

- All Property & Casualty Coverages
- Loss Projections
- Reserve Analyses & Opinions
- Captive Feasibility
- Captive Analyses
- Confidence Interval Analyses
- Loss Payout Schedules & Net Present Value
- Optimum Retention Analyses
- Benchmarking Loss Experience
- Regulatory Reviews
- Allocation Analyses

## CONSULTING

- Collateral Negotiations
- Budgeting for a Self-Insured Program
- Evaluating the Carrier's Estimate of Losses
- Input to Underwriting Submissions
- Input to Stewardship Reports
- Risk Management Due Diligence Evaluations for Mergers and Acquisitions
- Determining the Effectiveness of Loss Control Programs

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