

Antitrust Notice

The Casualty Actuarial Society is committed to adhering strictly to the letter
and spirit of the antitrust laws. Seminars conducted under the auspices of
the CAS are designed solely to provide a forum for the expression of
various points of view on topics described in the programs or agendas for
such meetings.

SERVE | ADD VALUE | INNOVATE

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Under no circumstances shall CAS seminars be used as a means for competing companies or firms to reach any understanding – expressed or implied – that restricts competition or in any way impairs the ability of members to exercise independent business judgment regarding matters affecting competition.

 It is the responsibility of all seminar participants to be aware of antitrust regulations, to prevent any written or verbal discussions that appear to violate these laws, and to adhere in every respect to the CAS antitrust compliance policy.

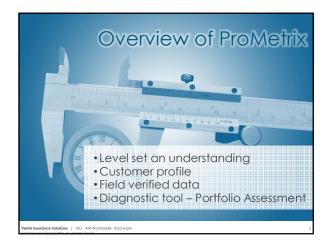
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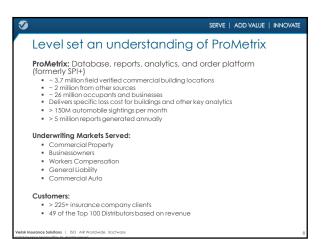
Explore the impact of misclassification on the business of risk transfer

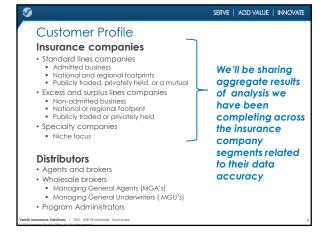
- **Premise**: Level set an understanding of the information we will explore and our premise
- ProMetrix®: Overview and how it informs our discussion today
- Empirical Findings on data quality
- Potential Impact of Findings on carriers
- Discussion of Solutions to the issues uncovered

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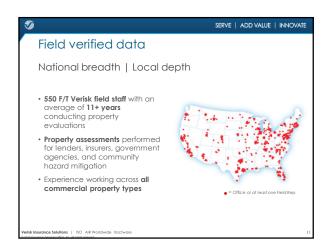


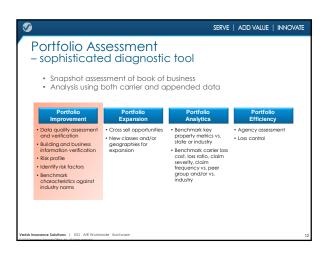


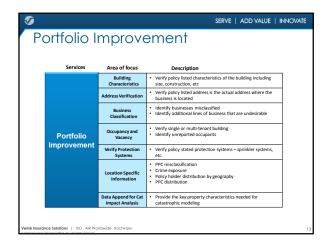




Focus of Today's Discussion Client engagements have focused on Commercial Property until recently LOBs in development General Liability Commercial Auto Workers Comp Businessowners Similar Characteristics in Business Process, preliminary observations on additional lines of business



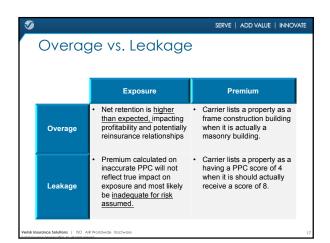




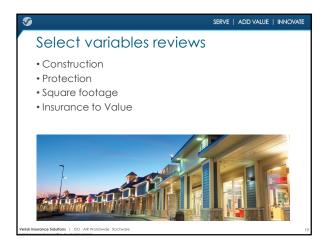


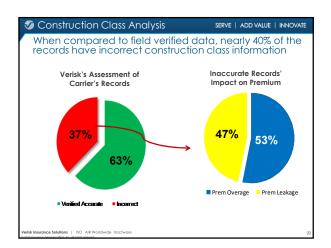


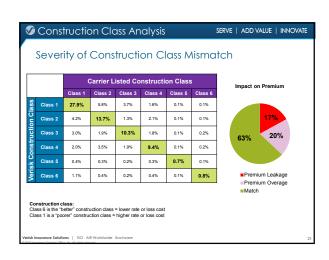
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Scope of analysis	
• All Commercial Lines ~ \$240B in Net Written Premium	
 Commercial Property market size ~\$35B in Net Written Premium ~ 6.5M locations 	
Analysis performed in database of ~3.7M field verified commercial property locations	
 Analyzed ~2 million commercial property characteristics for variety of building types, sizes & locations Hit rate ~65% 	
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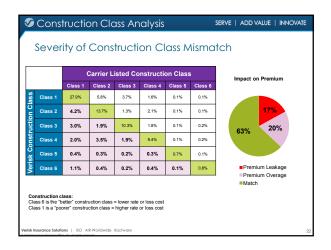


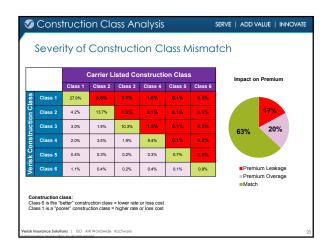
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Summary of F	- Portfolio Assessment Analysis	NOVALE
Rating Information	Analysis Identified	
Construction Class	• ~40% of the carriers' risks had incorrect construction class	
Protection	15% of the carrier risk were listed in an incorrect PPC Many of the sprinklered risks received sprinkler credit when not we	arranted
Square Footage	~80% of the carriers' risks had incorrect square footage. Percentage decreased as allowance for error increased, but there mismatches	are gross
Limits	• ~75% of the carriers' risks had underestimated limit for Insurance	to Value
20% Underpriced related exposure mis-	statement Risk Retention Issues, and related exposure mis-	t
	\$1.3B statement	
in annual premiur	n leakage and related exposure mis-statemer	IT
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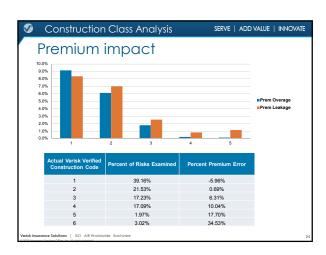


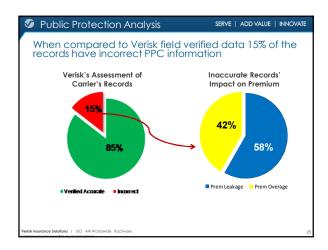




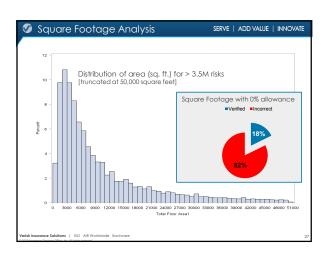


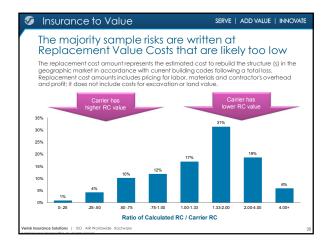








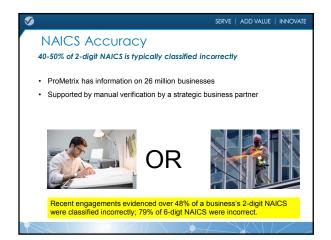








Other LOBs we are exploring: General Liability and Commercial Auto





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SERVE ADD VALUE INNOVATE
Areas affected by poor data quality
• Profitability
Exposure assessment
 Rate Adequacy – Earned Premium generation
 Potential reinsurance need and expense
Operations
 Claims administration
• Regulatory compliance



Profitability - Rate Adequacy

• Earned Premium base

- Sustainability of a portfolio

- Positioning in the market

- Key financial ratios

• Distributor relationships

• Sustainability of the business

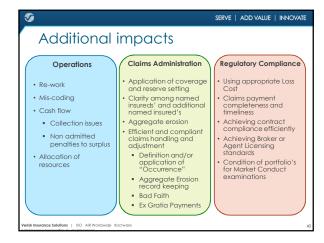
Profitability - Reinsurance need & expense

• Aggregate limits purchased and their cost

• Individual risk retentions and the benefit to ceding underwriter

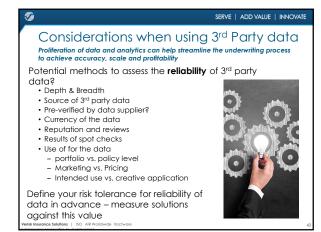
• Type of coverage purchased - following form versus carve out protection

• Allocation of treaty cost



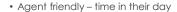








 Improving underwriting productivity





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9	SERVE ADD VALUE INNOVATE
	Considerations when implementing API
	Match Rate
	Address, Business Level differentiation
	• IT constraints
	Cost/Benefit
	Where is the "cut-off" when using analytics
	Automate Edits/Checks
	Minimizing #of vendors/Maximizing Quality
	Licensing commitment
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Business Scenario Revenue and profit targets were not being achieved Rendom underwriting and operational audits had identified data quality issues in the business process Distributions were unappy with the number of times they were able to fully utilize the portal for a complete ferrancolon. Client Request Asiat their disprayable of situation and recomment studies which would optimize the web portal cost of generating a commercial package policy. Verisk Deliverables Gap analysis of current state for submission to bind steps in business process, and reduce the internal cost of generating a commercial package policy. Verisk Deliverables Gap analysis of current state for submission to bind steps in business process, with recommendations for improvement elivery of Verisk Protestrik data and analytics into our clients cliented submission que and rating process. Development of more detailed underwriting guidelines to better communicate market interest. Business rules facilitating straight through processing of 100% of targeted risks meeting underwriting guidelines and or referral process for targeted risks not meeting inderwriting guidelines. Result Within 90 days of or a reprogrement client was obte to begin to achieve their planned metrics on reeling submitted business.
Business Scenario Revenue and profit targets were not being achieved Rendom underwriting and operational audits had identified data quality issues in the business Distributions were unhapply with the number of times they were able to fully utilize the portal for a complete transaction. Client Request Assist their diagnosis of situation and recommend solutions which would optimize the web portal, capture the benefits of improved data quality in their business process, and reduce the internal cost of generating a commencial package package. Verisk Deliverables Gap analysis of current state for submission to bind steps in business process, with recommendations for improvement. Recommendations for improvement. Second or submission and control process. Development of more detailed underwriting guidelines to better communicate market interest. Business rules locitifating straight through processing of 100% of targeted risks meeting underwriting guidelines. Result Within 90 days of our engagement client was able to begin to achieve their planned metrics on newly submitted business.
Client Request Asia there diagnosis of situation and recommend solutions which would optimize the web portal for a complete transaction. Verisk Deliverables Gap analysis of current state for submission to bind steps in business process, and reduce the internal cost of generating a commencial package policy Verisk Deliverables Gap analysis of current state for submission to bind steps in business process, with recommendations for improvement. Application Programing Interface delivery of Verisk ProMetrix data and analytics into our clients. Application Programing Interface delivery of Verisk ProMetrix data and analytics into our clients. Development of more set deliated underworting guidelines to be test communicate moriter interest. Business rules focilitating straight through processing of 100% of targeted risks meeting underwriting guidelines and a referred process for targeted risks not meeting Underwriting guidelines. Result Within 50 days of our engagement client was able to begin to achieve their planned metrics on newly submitted business.
Client Request Asist their diagnosis of situation and recommend solutions which would optimize the web portal, copture the benefits of improved actinguishy in their business process, and reduce the internal cost of generating a commended package policy. Verisk Deliverables Gap analysis of current state for submission to bind steps in business process, with recommendations for improvement. Clared submission que and rating process Development of more detailed underwriting guidelines to bether communicate market interest. Business rules solitating straight through processing of 100% of targeted risks meeting underwriting guidelines on a release process, and the process of targeted risks not meeting the derwriting guidelines. Result Within 10 days of our engagement client was able to begin to achieve their planned metrics on newly submitted business.
Application Programing interface delivery of Verisk ProMetrix data and analyticatina our clients cleared submission que and rating process Development of more detailed underwiting guidelines to better communicate market interest. Business rules facilitating tradjust through processing of 100% of trageled disks meeting underwiting guidelines and a referral process for trageled risks not meeting Underwitting guidelines Result Within 90 days of our engagement client was able to begin to achieve their planned metrics on newly submitted business.
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