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Automating Underwriting for the Small Commercial Segment

Leading Practice Overview

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Agenda

- Overview
- Design Elements
- Best Practices

• Overview

- Small Commercial Challenges
- Introduction to Automated Underwriting
- Automated Underwriting Adoption Drivers for Small Commercial
- Direct Channel Landscape
- Implementation Considerations
- Design Elements
- Best Practices

Challenges Faced by Small Commercial Insurers



Carriers are eager to find growth opportunities in a very competitive market and a slowly recovering economy

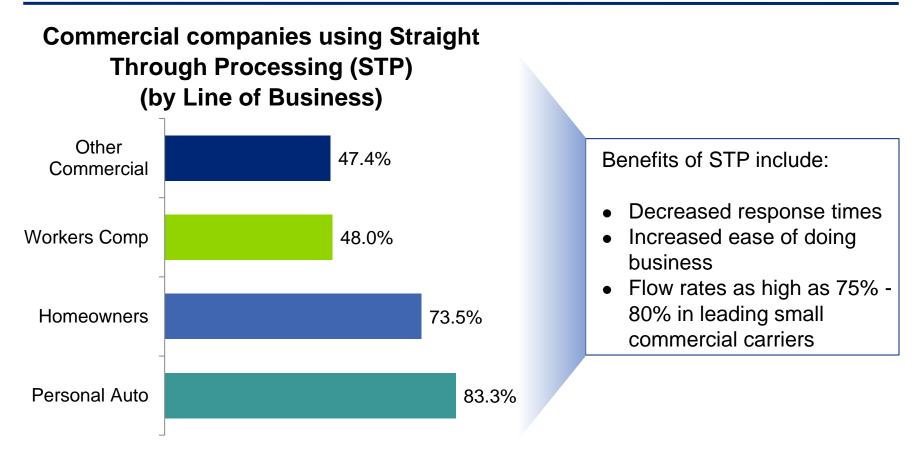


Insurers are trying to effectively reach a new generation of consumers who seek multi-channel and multi-platform sales and service options



Facing relatively low margins, insurers are looking to improve their underwriting, pricing, and claims capabilities, as well as optimize their distribution alternatives and expense ratio

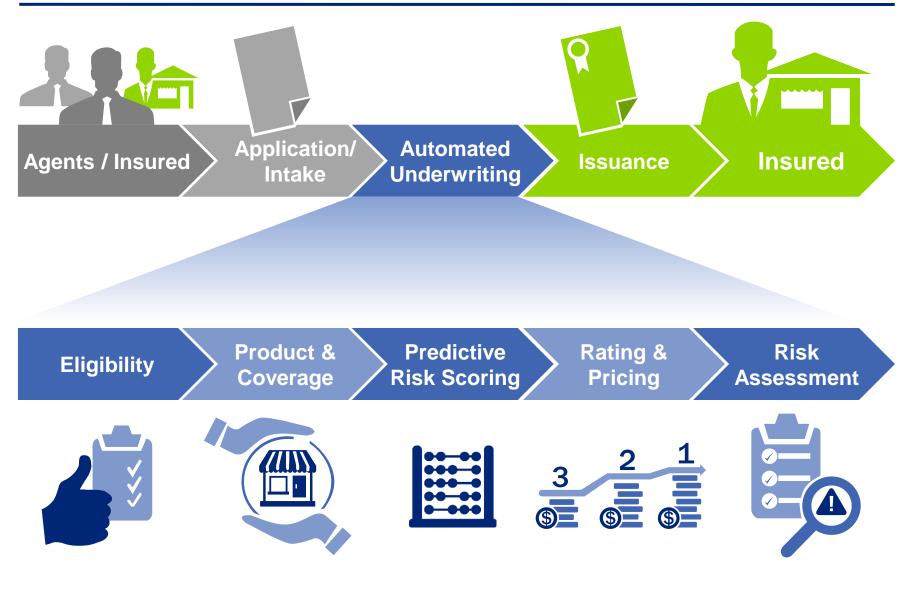
Small Commercial Carriers are Making Automated Underwriting Investments



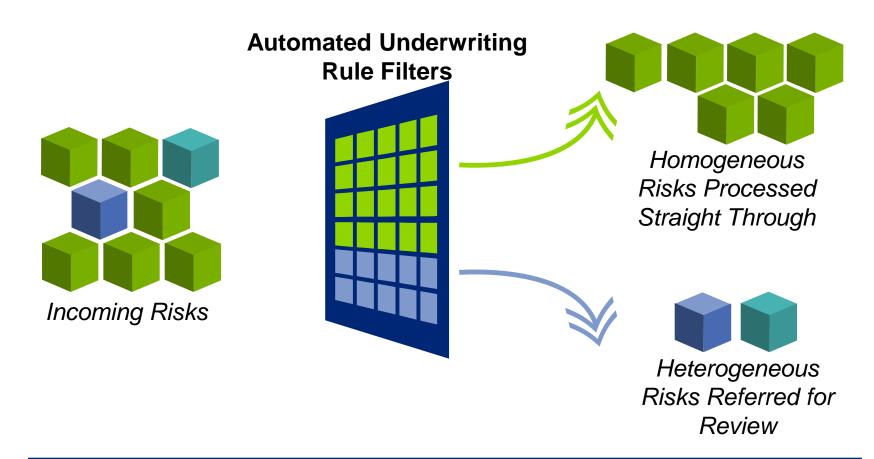
Streamlined quoting and binding capabilities are essential to support any distribution channel to meet the heightened expectations of agents and customers

Source: "Underwriting and Policy Management: Summary of Strategic Study Results". Ward Group. May 2011.

Introduction to Automated Underwriting



Guiding Principle for Automated Underwriting



With automation, underwriters to focus on assessing heterogeneous risks instead of spending time on clerical tasks on simpler homogenous risks

Automated Underwriting Adoption Drivers for the Small Commercial Segment





Improve Loss Ratio through better accuracy and more consistent application of pricing

Alternate Distribution Channels as Market Disruptors

Direct start-ups and innovators

Aggregators targeting small business

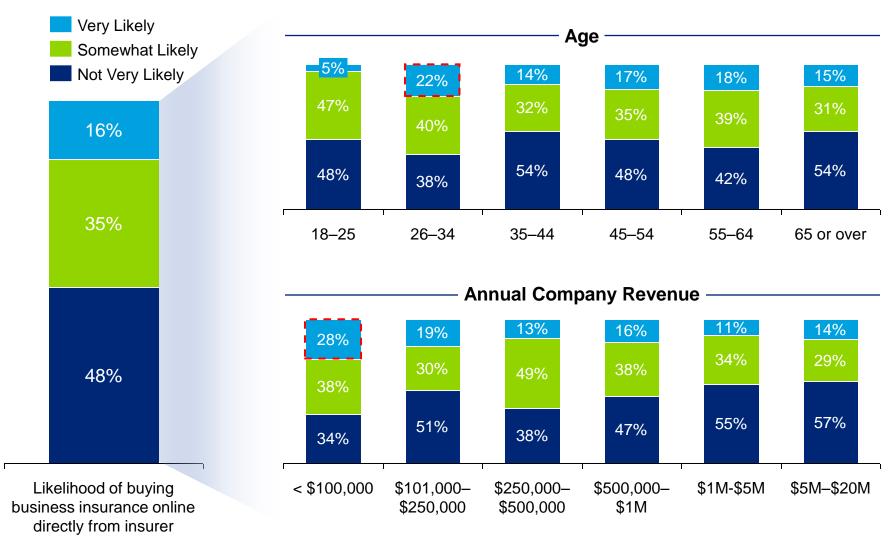
- Direct-to-consumer channels for small commercial insurance are most prolific in the U.K.
- Hiscox and AssureStart direct-to-consumer small commercial start-ups entered the US market in in the last 5 years
- Carriers are upgrading their websites and behind the scenes capabilities to get customers to their sites for quotes, even if they link them with agents

- Online aggregators such as Bolt, Insureon, and BizInsure are playing a more pronounced role in the small commercial market
- Forums for comparative shopping may drive small business insurance buyers to higher levels of price sensitivity and product commoditization

Multi-line carriers continue to up their game

- Personal lines carriers are looking to up-sell into the small commercial market, and could leverage their existing direct channels
- Major multi-line carriers are strategically building out capabilities that set a high benchmark for service levels, even in intermediated channels

Demand Exists for the Direct Option

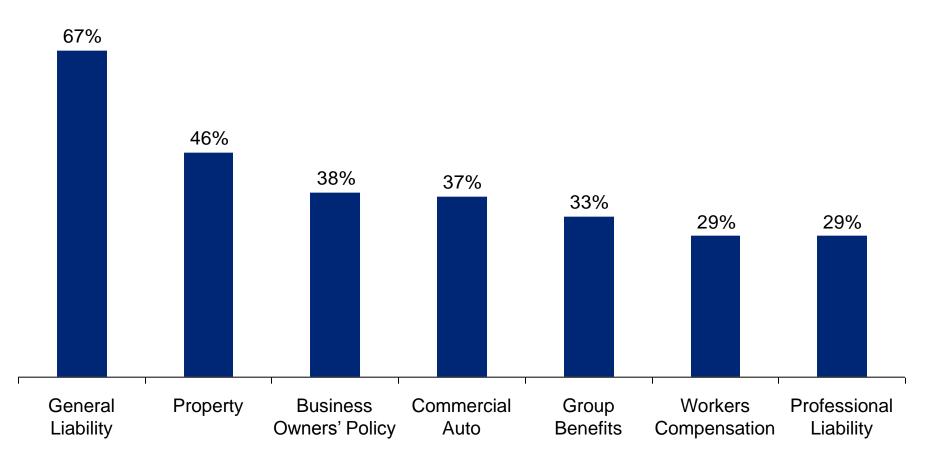


Source: Voice of the Small Commercial Insurance Consumer Survey, Deloitte Center for Financial Services, March 2013.

Most Popular Products in the Direct Channel

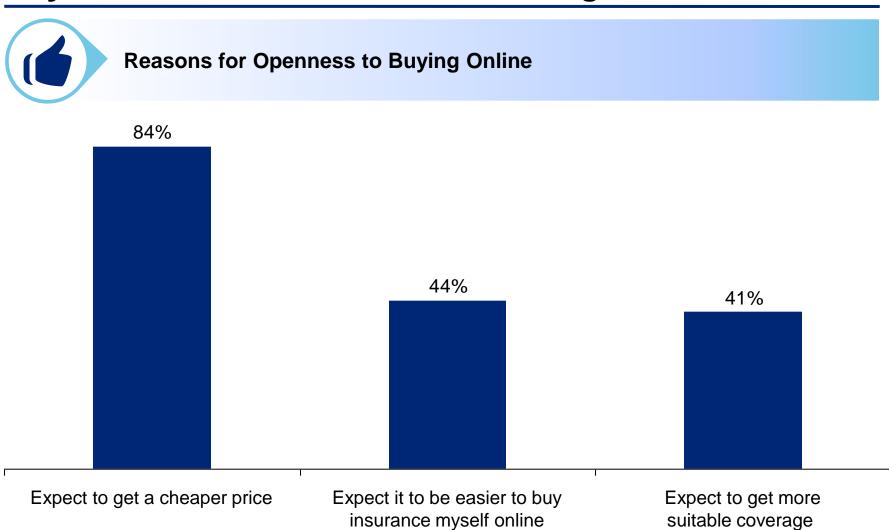


Percentage of Respondents Very Likely to Buy Online, Directly from an Insurer (By Type of Coverage)



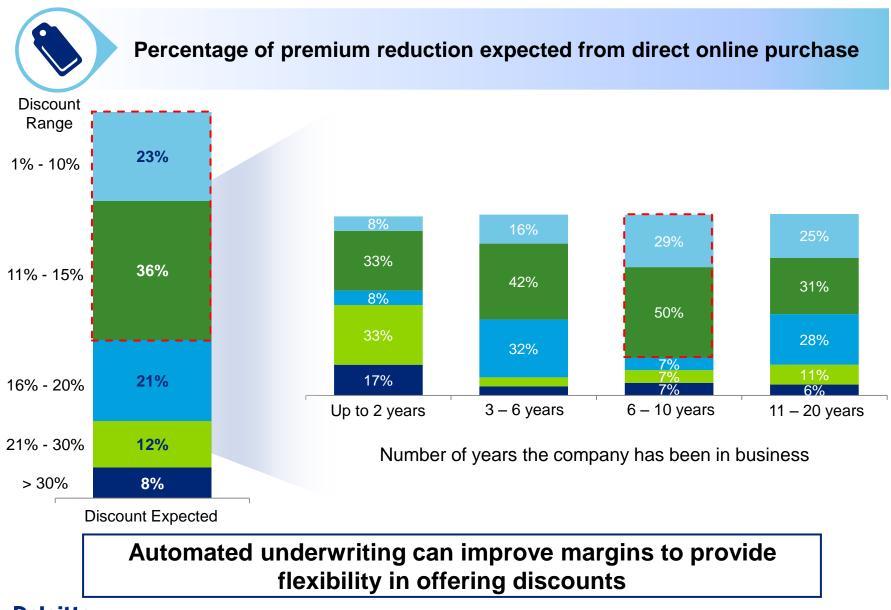
Source: Voice of the Small Commercial Insurance Consumer Survey, Deloitte Center for Financial Services, March 2013.

Buyers are Interested if the Price is Right...



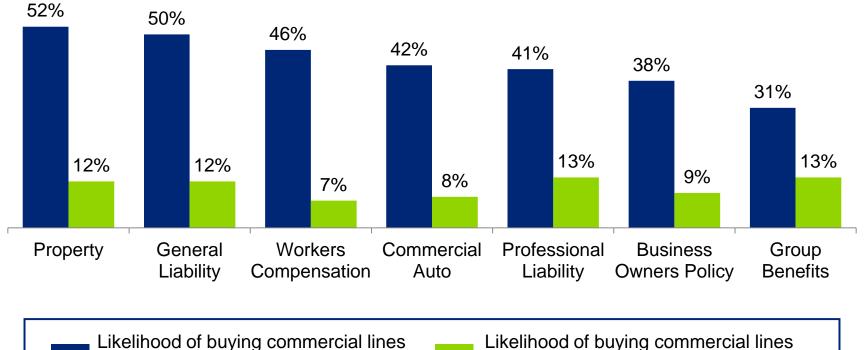
Source: Voice of the Small Commercial Insurance Consumer Survey, Deloitte Center for Financial Services, March 2013.

...But Expectations are Fairly Modest on Discounts



Personal Lines Experience as a Gateway for Commercial

Likelihood for buying commercial lines insurance online

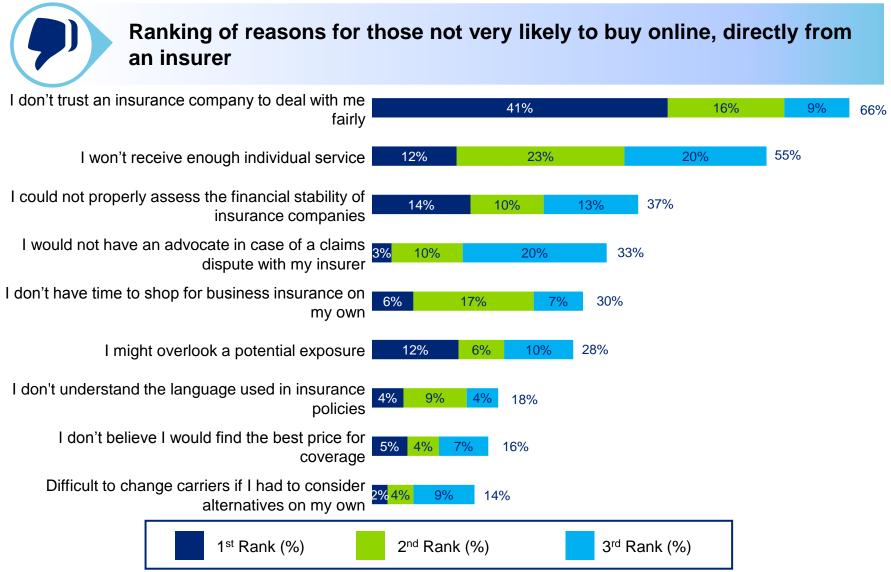


Likelihood of buying commercial lines online among those who have bought personal lines online Likelihood of buying commercial lines online among those who have **not** bought personal lines online

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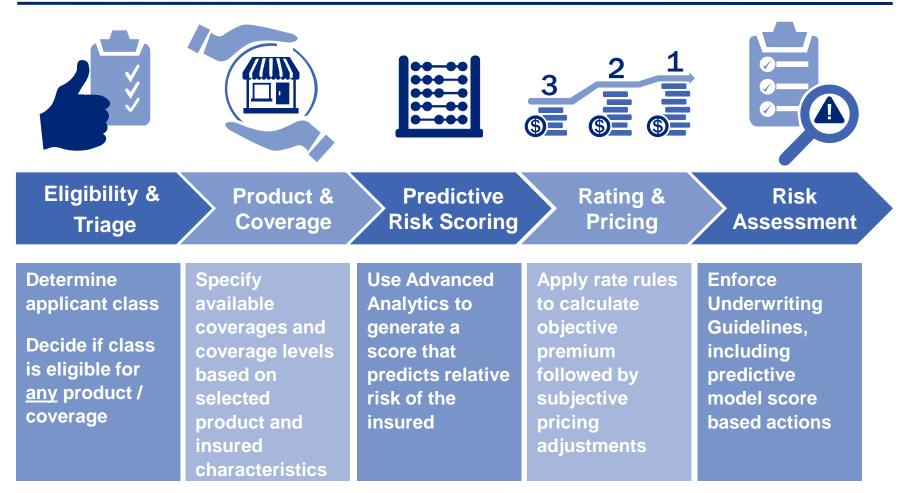
Trust issues discourage direct sales



Source: Voice of the Small Commercial Insurance Consumer Survey, Deloitte Center for Financial Services, March 2013.

- Overview
- Design Elements
 - Automated Underwriting Steps
 - Types of Rules
- Best Practices

Typical Underwriting Steps





Description	 Based on the carrier's broad underwriting appetite Typically considered "non-negotiable" conditions Risks not meeting these conditions will be automatically declined Generally only asked during the new business process Used in Renewal process if exiting certain classes / risk type Can also be used to determine risk class by asking a series of questions instead of single yes/no or class selection question
Typical Outcomes	 Decline Applicant Continue with automated underwriting process

If number of employees > 20, then decline

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Example



Description	 Defines eligible coverages and limits based on class and other risk characteristics Leading practice is to implement these rules within the electronic application portals, where the system disables selection of ineligible coverages and limits Portal based product/coverage rules can reduce complexity of the automated underwriting process Underwriters are generally precluded from overriding the product and coverage rules
Typical Outcomes	 Coverages or limits that are not allowed for the risk are not offered Mandatory coverages or minimum coverage limits are automatically added Applicant is prompted to update limits/coverages as selections are not allowed based on product architecture
Example	
	If the class code is a "Bar", then must include Liquor Liability coverage



Description	 Rating rules for automated underwriting are the same as traditional rating derived from base rate plan Subjective discounts can be recommended based on predictive model score and additional factors Level of automation varies based on the desired application requirements of subjective discount factors
Typical Outcomes	 Rated Manual Premium Final recommended premium to be charged to the insured Referral to an underwriter if policy parameters fall outside of those included in the pricing rules template



Description	 Applies underwriting guidelines using automated rules to assess risk Assesses combinations of policy attributes such as class codes, premium levels, risk scores etc. to highlight potential risk areas for underwriter review Uses table driven structures to determine if coverage levels and insured values align with risk scores Can also be used to identify risk areas that are less critical and may require post-issuance actions, such as loss control surveys
Typical Outcomes	 Referral to underwriter for pre- or post-issuance review Allow policy to be processed straight through

Example

If risk is located in high risk windstorm area, and the total limit of coverage for each covered location > X, and construction type is Y, and risk score > Z then refer to underwriter for pre-issuance review

Agenda

- Automated Underwriting Drivers
- Automated Underwriting Rule Types

Best Practices

- Common Barriers and Potential Solutions
- Design and Implementation Considerations
- On-going Maintenance Considerations

Common Barriers in Implementing Automated Underwriting





Mixed profitability results for carriers that have adopted straight through processing is a deterrent



Cultural acceptance of automated underwriting can be hard to achieve

- Include automated underwriting implementation during core system initiatives
- Create a framework of enabling technology around legacy systems using components such as business rules management system
- Combine automated underwriting with predictive models
- Use Business Intelligence and Analytics to monitor rule performance
- Include an effective change management plan during automated underwriting implementation
- Focus underwriters' time on evaluating complex risks

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Potential Solutions

Design Considerations for Automated Risk Assessment

Rule Complexity	The need to compare a large combination of policy characteristics should be balanced with ability to create and maintain such complex rules
Exception Based Rules	Designing rules to refer/decline undesired risks provides more control and reduces complexity, compared to designing rules that only allow desired risks to pass through
Rule Variables	Additional policy elements tested in risk assessment rules should ideally not be used in the predictive model or rate plan, or tested for levels where model or rating factors are already capped
Risk Score Application	Automated rules can help enforce automatic decline of unacceptable risk scores and review of other high scores, thereby removing underwriter subjectivity

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Combining Predictive Model scores with Automated Risk Assessment rules is the key to maximizing Automated Underwriting benefits

On-Going Maintenance Considerations for Automated Risk Assessment

Rule Performance	Implementing dashboards to monitor on-going rule performance (e.g. number of referrals per rule) is critical to balancing high automation rates with prudent risk assessment
Change Simulation	Any changes to the rules should be simulated on existing book, and even declined/non-renewed policies to assess disruption and validate expected results
Business Intelligence	On-going business intelligence analysis and dashboards can help identify policy elements that should be added / removed / modified from risk assessment rules

Strategic	 STP will become prolific in the industry as the market leaders set the benchmark for near instant response on quotes for homogenous risks STP will begin to bleed up into the low end of the middle market, particularly if predictive models are also in use
Product	 The advancement of STP into the specialties arena will continue, with D&O, E&O, and EPL being the likely starting point for most carriers Specialty coverages will continue to be built into the BOP and small commercial package and be processed via STP Use of business intelligence to manage rule sets and mine data, identifying how STP is driving profitability
Technology	 Integrated rules engines are currently the primary solution to handle the complex rules required for STP Increase in use of off-the shelf policy administration solutions that can handle some of these rules without a separate rules engine component

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