Miu Reinsurance Analysis

Multi-model risk aggregation and pricing services

Key features:

- Analyze risk across a range of modeled and non-modeled instruments

- Generate event loss tables (ELT) simply from a set of transaction exceedance probability (EP) curves

- Deliver risk modeling across all private transactions from reinsurance, collateralized reinsurance, and sidecars

- Benefit from accessing a wide range of peak and non-peak RMS industry loss curves, including regional and line-of-business curves

- Import EP curves for risks not modeled by RMS, such as aviation, or create and import your own EP curves, or those from third party vendors

- Tailor your view of risk further with Miu Risk Profiles, including custom "what-if?" scenarios

- Weekly marks for private transactions to support net present value calculations

Essential risk analysis for portfolio managers across a range of instruments - on a single online platform

As the breadth of instruments available to portfolio managers increases, investors face challenges understanding both risk and return. Instruments can now include risks not modeled by RMS, or any model vendor, and are available with deal data of varying quality, sometimes only exceedance curves.

Now, with increased scrutiny, including from internal compliance, regulators and investors, funds are increasingly in need of a whole-portfolio view of their risk, as well as independent marks for private transactions to support net present value calculations.
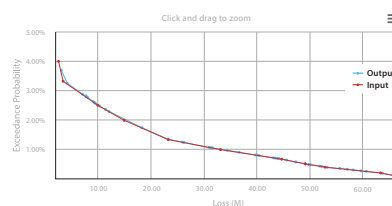
Miu helps deliver a whole-portfolio view to satisfy your stakeholders

Central to this capability is the EP-to-ELT tool, which takes a set of transaction exceedance probability (EP) curves as input and provides event loss tables (ELT) as output, by making an assessment against proprietary RMS industry loss curves.

This technique preserves the original risk metrics, allows assessment of correlation metrics for private deals and cat bonds, and allows investors to model all risks in one platform.

The entire set of tools is available online through miuinsights.com, and as such there is no IT deployment requirement.

Example: EP curve input

Example: ELT output

Miu: Modeled risks

- Use Miu to model all private transactions: Including reinsurance, collateralized reinsurance, and sidecars

- Access a wide range of peak and non-peak RMS industry loss curves: Including regional and line-of-business curves

- Import EP curves from non-RMS models

- Model individual transactions through entire portfolios to support fund-of-funds strategies

- Account for correlation between positions to provide a consolidated "all-risks" view

Miu: Non-modeled risks

The built-in Miu EP-to-ELT tool provides a flexible, comprehensive solution to capture non-modeled risks. Using the tool, you can expand the investments you manage in Miu in many ways:

- Import EP curves for risks not modeled by RMS, such as aviation
- Create and import your own EP curves, or those from third party vendors
- Create holistic reporting of all positions using Miu
- Set correlation values against a baseline view of the risk

Risk Profile Builder

Using Risk Profile Builder, you can create your own Miu Risk Profiles, to further tailor your view of risk:

- Create Risk Profiles for non-modeled risks

- Run sensitivities on RMS assumptions, such as event rates or seasonality to implement proprietary views of risk

- Select RMS events to create custom "what-if?" scenarios for immediate response to events or for customized historic profiles

- As the ILS market grows, this new functionality allows you to screen and manage a wider range of investments within Miu, regardless of whether the risks are modeled by RMS

Pricing Services

Drawing on the RMS Capital Markets team's cash flow modeling expertise and its relation to risk, RMS provides pricing services for private transactions to support net present value calculations. An open and transparent model allows for updates as new information on premiums and losses are made available throughout the risk period:

- Independent marks

- Sophisticated cash flow model accounting for accrued premium and loss development

- Fully aligned with your view of risk modeled in Miu, accruing premium with relation to risk seasonality

- Model is updated throughout the risk period for realized losses and paid premiums

- Satisfies internal compliance, regulators and fund investors

Find out more

Visit **www.rms.com/capital-markets**, ask your RMS sales or customer services representative for a demonstration of Miu, call your local RMS sales office, or send an email to **miuinsights@rms.com**.

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