

FIXED INCOME TCA EVOLVED

**ABEL NOSER TRADE ZOOM
TRULY MULTI-ASSET ANALYTICS**
GLOBAL COVERAGE - UNMATCHED FLEXIBILITY

IMPROVE TRADING OUTCOMES, SUPPORT BEST EXECUTION

Trade Zoom, our innovative suite of fixed income trade cost and regulatory analytics, enables you to decide which measurements best fit your business needs and trading protocols.

2021 Best-in-Class Global TCA Provider - Aite Group
2020 Top Global Fixed Income TCA Provider - Greenwich Associates
2020 Best Global Trade Analytics Provider - CV Magazine

Abel Noser Solutions, the leading independent trade analytics and regulatory solutions provider, has served the institutional investment community since 1975.

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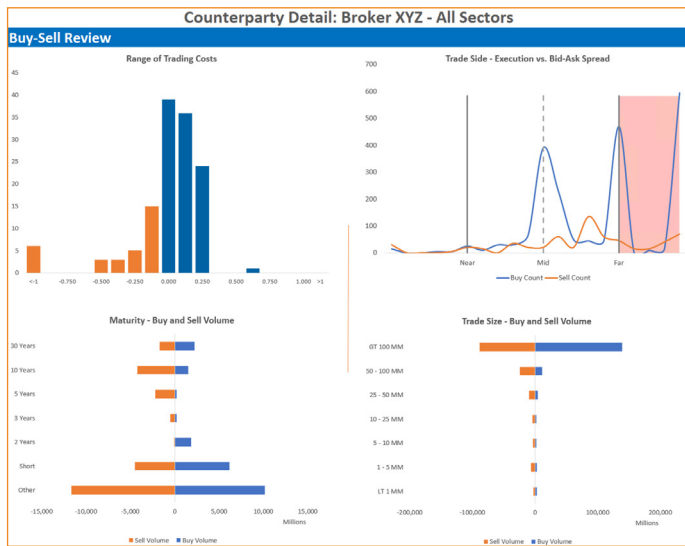
REIMAGINED FIXED INCOME TCA

Unmatched Flexibility

With fixed income rapidly migrating onto electronic venues, more accurate data has enabled us to bring to market a best-in-class fixed income trade cost solution.

We recognize that the current fixed income market structure is very different from equities. More importantly, there are significant differences in the liquidity of individual fixed income markets and how investors trade them.

Trade Zoom was built with this in mind. Instead of limiting you to a single approach for measuring trading costs, it offers a flexible interface allowing you to measure trades against a mid-market price at the time of execution or use our comprehensive library of measures to quantify implementation shortfall. Either way, you decide which measurements best fit your needs and trading protocols.



FEATURE-RICH CAPABILITIES

Customizable Benchmarks

Trade Zoom enables you to evaluate execution at both the trade and order level and includes an exhaustive list of benchmark prices to measure your trades against, including:

- Mid-price at the time of the trade
- End of day close prices from T-30 to T+30
- Open and close mid-price as well as 3 PM snap
- Bid and Offer prices for each benchmark
- Time Weighted Average Price (TWAP)

Asset Class Coverage

Treasuries • US Credit • European Credit • US Municipal Bonds • Emerging Markets • EM Sovereigns • US Mortgage-backed Securities • EUR Mortgage-backed Securities • CLOs and CDOs • Consumer ABS • Bank Loans • Credit Default Swaps • TBA Options • Credit Default Index Options • Additional Fixed Income Derivatives

Multiple Timestamps

Trade Zoom can digest multiple timestamps for each trade so costs can be measured through the entire lifecycle of the trade. We can process trade decision time, entry, trader pick-up, and execution time where available.

Multiple Reference Pricing Sources

Trade Zoom incorporates IHS Markit's intra-day evaluated pricing for coverage across fixed income asset classes. Abel Noser has also partnered with MarketAxess to integrate *Composite+*™ pricing for global corporate bonds.

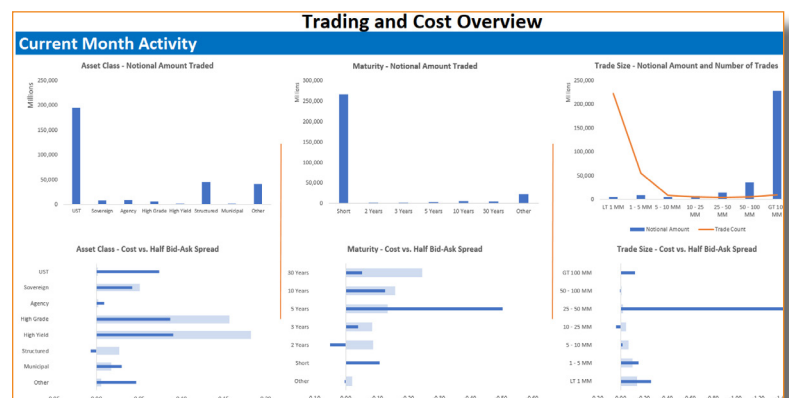
TRUE MULTI-ASSET FUNCTIONALITY

Trade Zoom is our interactive web-based portal and offers a consistent approach to measuring global fixed income trading costs, in addition to equity, foreign exchange, and futures all in one platform.

Users can explore cost drivers in a familiar pivot table format. You can drag and drop various cost measures into the table to calculate relevant statistics. As such, clients can determine their all-in costs across asset classes, using a standardized approach.

WORLD CLASS CLIENT SUPPORT AND CUSTOMIZED REPORTING

- On-demand generation of pre-made trade cost reports
- Schedule reporting to run as needed or at given interval, or when data is available
- Reports can be sent via email to an individual or group as Excel or PDF file attachments
- Custom Report Builder allows users to generate fully customized reports on-demand
- Real-time visibility of all trading decisions and routes
- Customized report creation is available at no additional charge



Turning Trading Insight Into Action