

## Meeting Industry Challenges in Trade Confirmation, Settlement and Clearing with TradeFlow™

### Simplifying Globalization in the Post-Trade Processing Industry

TradeFlow from Fiserv has been enhanced to help our clients simplify global processes across numerous asset types. Dynamic automation facilitates post-trade processing for equities, fixed income, money markets, foreign exchange (FX), payments and derivatives processing over Central Counterparty Clearing (CCP) processes for investment management firms, broker-dealers and custodian banks. Leveraging post-trade processing proficiencies from MarkitSERV Trade Manager, TradeFlow delivers integrated end-to-end connectivity to multiple CCPs.

Recent TradeFlow enhancements enable single access connectivity to MarkitSERV using its API for CCPs, which allows our clients to streamline OTC derivatives processing through multiple counterparties involved in the clearing cycle. This assimilated communication channel improves operational efficiency supporting new counterparty business relationships as they are formed on an ongoing basis. TradeFlow provides fully-integrated CCP and other utilities support for U.S. and European markets with these instruments:

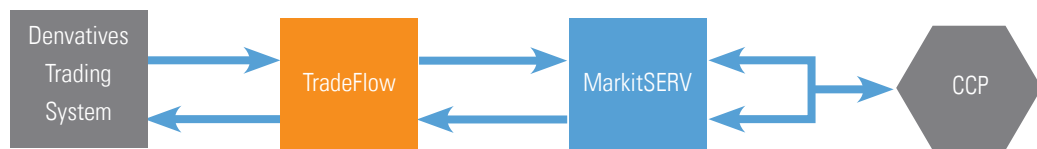
- Interest rate swaps (IRS)
- Basis swaps (BSWP)
- Credit default swaps (CDS)
- Credit default index swaps (CDI)
- Non-deliverable forward (NDF), cleared and bilateral
- “Modified-Modified” (MM) restructuring, full and partial rolls and maturities

TradeFlow expedites the clearing process of OTC derivatives through CCPs using FpML and CSV data feeds with eligible trade data, which is processed into the MarkitSERV API for clearing. MarkitSERV then provides the functional connectivity to numerous CCPs

and executing brokers by automatically routing and pairing submitted transactions to both. As the clearing process advances, relevant trade information is passed through to CCPs. MarkitSERV subsequently delivers clearing status updates directly back to TradeFlow where it is displayed in the user interface. If required, these updates can also be forwarded back to users’ OMS and back-office systems.

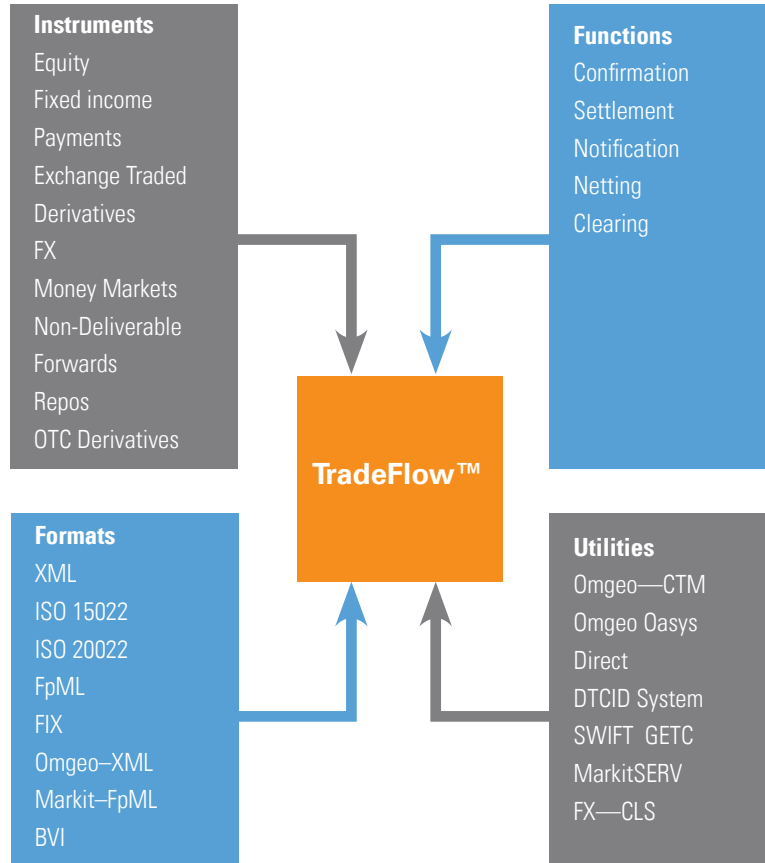
Buy-side clearing activities are fully managed and automatically processed through MarkitSERV including validation, clearing status updates, error capture and management, trade dispute, rejects and cancellations. TradeFlow will capture data errors before they are passed through to MarkitSERV, allowing the user to correct and/or resubmit the transaction with ease. Any further errors that arise from inconsistent business or economic data within MarkitSERV or with the CCP are flagged in TradeFlow for correction, including the corresponding error codes that are generated by MarkitSERV. In addition, TradeFlow is designed to display investment manager/ “buy side” time-sensitive exceptions posted by executing brokers to

#### OTC Derivatives Clearing Process in TradeFlow Version 4.2



Fiserv is driving innovation in Payments, Processing Services, Risk & Compliance, Customer & Channel Management and Insights & Optimization, and leading the transformation of financial services technology to help our clients change the way financial services are delivered. Visit [www.fiserv.com](http://www.fiserv.com) for a look at what's next now.

### TradeFlow Solution



A comprehensive, fully integrated solution with a single operational view that enables high straight through processing rates and efficiently manages exceptions.

MarkitSERV allowing broker/“counterparty side” transaction submissions for clearing. Investment managers can rely on TradeFlow for support as future compliance requirements go into effect.

CCPs are the initial clearinghouse solutions proposed in alignment with current market practices. As Dodd-Frank and EMIR continue to evolve over time, count on TradeFlow for ongoing support of cleared products, including new products that mandate such regulations.

Simply stated, TradeFlow provides enhanced support for any derivative instrument that MarkitSERV processes. These enhancements are particularly helpful as

additional reporting and swap execution facility (SEF) regulations are beginning to take effect. TradeFlow template-based data models are easily upgraded to support the new requirements, keeping the solution current and fully in line with market regulations. Through TradeFlow, newer solutions for supporting FX-NDF Clearing are provided, using MarkitSERV connectivity and existing SWIFT messaging standards.

### Connect With Us

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