



Spectrum **BACK OFFICE**

THE COMPLETE TREASURY BACK-OFFICE SOLUTION

- **Flexible Integration for Front-Office Connectivity**
- **Real-Time Straight-Through-Processing with User-Defined Workflows**
- **Full Trade Processing Functionality for Confirmations, Payments, and Accounting**
- **Full Support for SWIFT and CLS**
- **Ongoing Transaction Maintenance Activities Such as Coupon Payments and Rate Resets**
- **Real-Time Nostro and Vostro Account Management**
- **Seamless Integration With Common General Ledgers**

Overview

The Spectrum Back-Office System provides the comprehensive back-office functionality that many front-office systems often lack. With flexible integration capabilities, users can have Straight-Through-Processing as trades are captured from one or multiple front-office dealing systems. Covering the full range of financial products, Spectrum Back-Office manages trade confirmations, payments, settlements, accounting, statements and all maintenance activities. Through user-configurable workflows, payments and confirmations can all be managed automatically based on existing internal policies. Some of the largest banks, fund managers, and brokerages rely on Spectrum Back-Office for its comprehensive instrument coverage, flexible configuration, and efficient processing.

Instrument Coverage

Spectrum Back-Office allows users to easily process and manage the following financial instruments:

- Spot-Forward-Swap FX Contracts
- Non-Deliverable Forwards
- Time Options
- FX Futures & Options on Futures

- Vanilla and Exotic FX OTC Options
- Fixed Rate Money Markets
- Call Money
- FRAs
- Caps, Floors and Collars
- Interest Rate Futures & Options on Futures
- Interest Rate Swaps
- Swaptions
- Bonds & OTC Bond Options
- Floating Rate Notes
- Equities & OTC Equity Options

Integration with Front-Office Solutions

Spectrum Back-Office has been interfaced to many leading front-office solutions including Reuters Kondor+, Bloomberg TOMS, and Murex. Once trades are captured in any front-office system, they are seamlessly passed into Spectrum Back-Office for confirmation, settlement and General Ledger accounting. The interface facilities are very flexible, allowing users to customize the types, formats, and order of imported and exported data. Users will find that Spectrum Back-Office can be quickly and easily interfaced to one or multiple front-office systems.

Spectrum **BACK OFFICE**

Robust, Integrated STP Functionality

When trades enter the Spectrum Back-Office System they receive Straight-Through-Processing for confirmation, payment, and accounting. Using a rules-based engine, any step in the back-office process can be automated. With the Back-Office Manager, an Administrator can define processing rules, such as a "maker/checker" requirement, or an exception processing rule based upon criteria such as transaction size, currency, or the existence of one-time payment instructions.

Confirmations

Multiple confirmation methods are available for each trade. SWIFT confirmations are fully supported. Multi-lingual confirmations can be automatically generated and sent via email, fax, and mail. Confirmations for a single trade can also be sent to multiple addresses.

Settlements & Payments

Payments can be automatically generated for SWIFT, CLS, Fedwires, CHIPS, ACH, 3rd party payment systems, DDAs and drafts. Payment debits and credits can be netted by counterparty, currency, and/or by transaction. Split payments enable delivery to multiple institutions. Standard Settlement Instructions (SSI) may be defined and stored in Spectrum, and may be automatically assigned to transactions.

Real-Time Nostro Account Management

Default and supplemental nostro accounts may be specified for each currency and trading center. Spectrum's real-time Nostro Forecast Blotter will display projected nostro account balances for the next 5 business days. Reports can be generated to display nostro account activity for any past or future periods. Nostro account balances can be forecast to any future date.

Vostro (Client) Accounts

Spectrum provides complete support for clients' cash balances and cash letter activity. The vostro management functions in Spectrum provide

complete multi-currency capabilities, from allowing user-defined maintenance and activity fees, to charging or crediting daily and monthly interest on clients' debit and credit balances. Cash letter processing supports purchases and sales of foreign drafts, and processing of incoming and outgoing wires. Both vostro and cash letter activity is immediately reflected in the front-office cash management blotters.

Accounting Sub-Ledger

The Spectrum Back-Office Sub-Ledger will produce and store General Ledger accounting entries related to all trading activity. In addition to generating specific accounting entries stemming directly from a trade, the Spectrum Back-Office Sub-Ledger will also generate and store General Ledger entries resulting from brokerage activities and from sales commissions. The accounting entries stored in Spectrum may be exported on a daily, weekly, or monthly basis to a General Ledger system. The accounting entries that are exported may be the individual debit and credit entries, summary entries, or entries for specific accounts.

The Spectrum Back-Office Sub-Ledger has been utilized by over 40 different financial institutions around the world. Over the years the Spectrum Back-Office Sub-Ledger has been interfaced with the following General Ledger accounting systems (listed in alphabetical order):

- Coda-Financials
- Equation
- Globus
- Hogan
- Oracle Financials
- PeopleSoft
- SAP
- Silverlake
- Systematics

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