

Trade Settlement

Creation, transmission and consumption of settlement messages for complete automated post-trade straight through processing

Timely and efficient settlement of trades is critical as the industry moves towards shortened settlement timelines. The ability to detect settlement breaks quickly, coupled with an automated end to end workflow, is paramount for settling trades by the settlement date. Trade settlement is facilitated by the account's servicer and instructed by the account owner using SWIFT formatted messages over the SWIFTNet network.

Firms using Charles River for Trade Settlement can manage their post-trade life cycle in a single system. This helps simplify the investment technology infrastructure and provides cost and operational benefits. The Charles River Trade Settlement solution helps clients detect settlement failures and identify failure reasons quickly. Once the exception has been corrected, clients can communicate cancel corrects efficiently at the allocation level.

The Charles River Trade Settlement solution is an optional add-on to the Post-Trade module. The Charles River Post-Trade module provides centralized trade matching and confirmation through an automated straight through processing workflow. The two together enable clients to achieve an automated end to end workflow for their post-trade processing.

Key Capabilities



**Settlement
Notification
for Majority of
Asset Classes**



**Fast
Identification
of Failed Trades
and Exceptions**



**Exception
Handling at
Allocation
Level**



**Consistent
and Accurate
Standing
Settlement
Instructions**

Post-Trade and Settlement Operations



EXPANDED SWIFT MESSAGE COVERAGE

Charles River IMS supports a large breadth of settlement messages for settling a majority of asset classes, including:

Equity/Debt	FX/Deposits	Mutual Funds (ISO 20022)
MT 540, MT 541, MT 542, MT 543, MT 544, MT 545, MT 546, MT 547, MT 548, MT 549	MT 304, MT 321	setr.004, setr.005, setr.010, setr.011, setr.016, setr.017, setr.006, setr.012



POST-TRADE SETTLEMENT BLOTTER

Operations users can use Charles River's Post-Trade Settlement blotter to monitor trades in settlement and identify settlement breaks. They obtain a transparent view of SWIFT message flow for every trade along with access to the raw SWIFT message contents for every SWIFT message.



FAILED TRADE RESOLUTION

Operations users with the Charles River Trade Settlement solution diagnose settlement related failures and make the necessary corrections for the affected trade. They then send SWIFT message responses to the custodian at the allocation level. Users can also take advantage of an automated capability to match and settle trades sequentially - helping reduce operational risk and cancel corrects.



STANDING SETTLEMENT INSTRUCTION (SSI) MAINTENANCE

Charles River integrates with DTCC's CTM Alert to import standing settlement instructions and store them internally within the system. This enables downstream settlement workflows to take advantage of accurate SSI's. This helps maintain consistency and in turn minimizes settlement breaks.



SWIFT GATEWAY

The Charles River SWIFT Gateway sends and receives settlement messages on the SWIFTNet network. With it, firms have an end to end solution that enables an efficient, secure and timely settlement of trades.

Charles River Development, A State Street Company

Investment firms, asset owners, wealth managers, hedge funds and insurers in more than 30 countries rely on Charles River's front and middle office investment management platform to manage more than US\$29 Trillion in assets. Together with State Street's middle and back office capabilities, Charles River's cloud-deployed software technology forms the foundation of State Street AlphaSM. The Charles River Investment Management Solution (Charles River IMS) is designed to automate and simplify the institutional investment process across asset classes, from portfolio management and risk analytics through trading and post-trade settlement, with integrated compliance and managed data throughout. Charles River's growing partner ecosystem enables clients to seamlessly access external data and analytics, applications and liquidity venues that support the demands of their product and asset class mix. Headquartered in Burlington, Massachusetts, we serve clients globally with more than 1,000 employees in 11 regional offices.

(Statistics as of April 2020)

Learn more at [crd.com](https://www.crd.com)

Charles River Development - A State Street Company is a wholly owned business of State Street Corporation (incorporated in Massachusetts).

This document and information herein (together, the "Content") is subject to change without notice based on market and other conditions and may not reflect the views of State Street Corporation and its subsidiaries and affiliates ("State Street"). The Content is provided only for general informational, illustrative, and/or marketing purposes, or in connection with exploratory conversations; it does not take into account any client or prospects particular investment or other financial objectives or strategies, nor any client's legal, regulatory, tax or accounting status, nor does it purport to be comprehensive or intended to replace the exercise of a client or prospects own careful independent review regarding any corresponding investment or other financial decision. The Content does not constitute investment research or legal, regulatory, investment, tax or accounting advice and is not an offer or solicitation to buy or sell securities or any other product, nor is it intended to constitute any binding contractual arrangement or commitment by State Street of any kind. The Content provided was prepared and obtained from sources believed to be reliable at the time of preparation, however it is provided "as-is" and State Street makes no guarantee, representation, or warranty of any kind including, without limitation, as to its accuracy, suitability, timeliness, merchantability, fitness for a particular purpose, non-infringement of third-party rights, or otherwise. State Street disclaims all liability, whether arising in contract, tort or otherwise, for any claims, losses, liabilities, damages (including direct, indirect, special or consequential), expenses or costs arising from or connected with the Content. The Content is not intended for retail clients or for distribution to, and may not be relied upon by, any person or entity in any jurisdiction or country where such distribution or use would be contrary to applicable law or regulation. The Content provided may contain certain statements that could be deemed forward-looking statements; any such statements or forecasted information are not guarantees or reliable indicators for future performance and actual results or developments may differ materially from those depicted or projected. Past performance is no guarantee of future results. No permission is granted to reprint, sell, copy, distribute, or modify the Content in any form or by any means without the prior written consent of State Street.

The offer or sale of any of these products and services in your jurisdiction is subject to the receipt by State Street of such internal and external approvals as it deems necessary in its sole discretion. Please contact your sales representative for further information.

©2020 STATE STREET CORPORATION