

# Trade Settlement

## Automated Post-Trade 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. Our solution allows for the creation, transmission, and consumption of settlement messages for automated post-trade straight-through processing. Charles River's trade settlement offering 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**

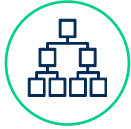


**Exception  
Handling at  
Allocation  
Level**



**Consistent  
and Accurate  
Standing  
Settlement**

# 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 SSIs. 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.

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