

Trade Settlement

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



**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**

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 simplifies 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.

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.

Order - Settlement Errors						Allocation Settlement Status		
Status	Side	Sec Name	Exec Qty	Exec Prc	Exec Amt	Party	Status	Error Description
Acct	Buy	Facebook Inc A	1,000	156.1100	156,110.00	Allocation Custodian (1)		Incorrect BIC code for execution broker
Acct	Buy	Yum! Brands Inc	2,000	84.1100	168,220.00	Goldman Sachs	Unmatched	Incorrect BIC code for execution broker
Acct	Buy	BMW FINANCE NV 2.375% 12/01/2021	1,000,000	102.4640	1,024,640.00			
Acct	Buy	ANHEUSER-BUSCH INBEV FIN 4.625% 02/01/2044	1,200,000	100.3450	1,204,140.00			
Acct	Buy	AETNA INC 6.75% 12/15/2037	2,000,000	126.0622	2,521,244.00			

Allocation - Post Trade Processing					SWIFT Communication			
Account	Post-Trd Status	Post-Trd Exception	Settlement Status	Custodian	Message Type	Direction	Message Function	Message Status
stacc00001	Unsent Alloc	None	Unsettled	GOLD	541	SENT	NEWM	
					541	RECEIVED	NEWM	Acknowledged
					548	RECEIVED	NEWM	Unmatched

Screenshots are for informative purposes only; no live data being used.

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 - reducing 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.



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