TRADE MATCHING FLOW DIAGRAM

API - 1

Input Trade

Scheduled Daily at 00:00:00 UTC

Invalid Trade

No

Validating Trade

Yes

Maturity Date achieved

Update Status of all Matured Trades as Exit in TradeData table

Storing new trades with unique Trade Ref Num

TradeData

Cancel a trade

Update its status as Cancel and further no operations can be performed

Return that trade

No Matching Trade found

Perform Matching Logic

100% Match

Confirming Party and CounterParty Trades

Updating Status, Version VersionTimeStamp, ConfirmationTimeStamp

API - 2

Searching operations

Partial Matches

API - 3

Update Operation

Update an Existing Trade with their Trade Ref Number

Search by Party and TradeRefNum

Search by Party and Status

Reflect new trade's matching score with their CounterParty Trade's in MatchedTrades table.

Validating Update Trade

No

List all specific trade with their Counter Party's matching score

List all specific trades with their Party name and Status

Yes

Invalid Trade