



# Securities Trade Life Cycle

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# Contents

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- Introduction
- Brokerage Firm/Securities Trading Organization
- Trade Life Cycle
- Order Origination / Front Office
- Order Validation / Middle Office
- Settlement / Back Office
- Custodians, Commercial Banks
- References

# Brokerage Firm

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- Made up with many departments
- Usually Brokerage firms play multiple roles
- One of the role is Securities Trading Organization (STO)
- Play a vital role in Securities Market
- Involve and execute large securities transactions
- Securities Trading department usually comes under 'Capital Markets' business of the firm

# STO

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- STO facilitates trading of securities for their clients
- Sell Services - Sell various Securities as customers demand
- Sales Team (Sales Traders) deals with customers
- Traders execute Trades
- Usually have one or more branches

# STO - Departments

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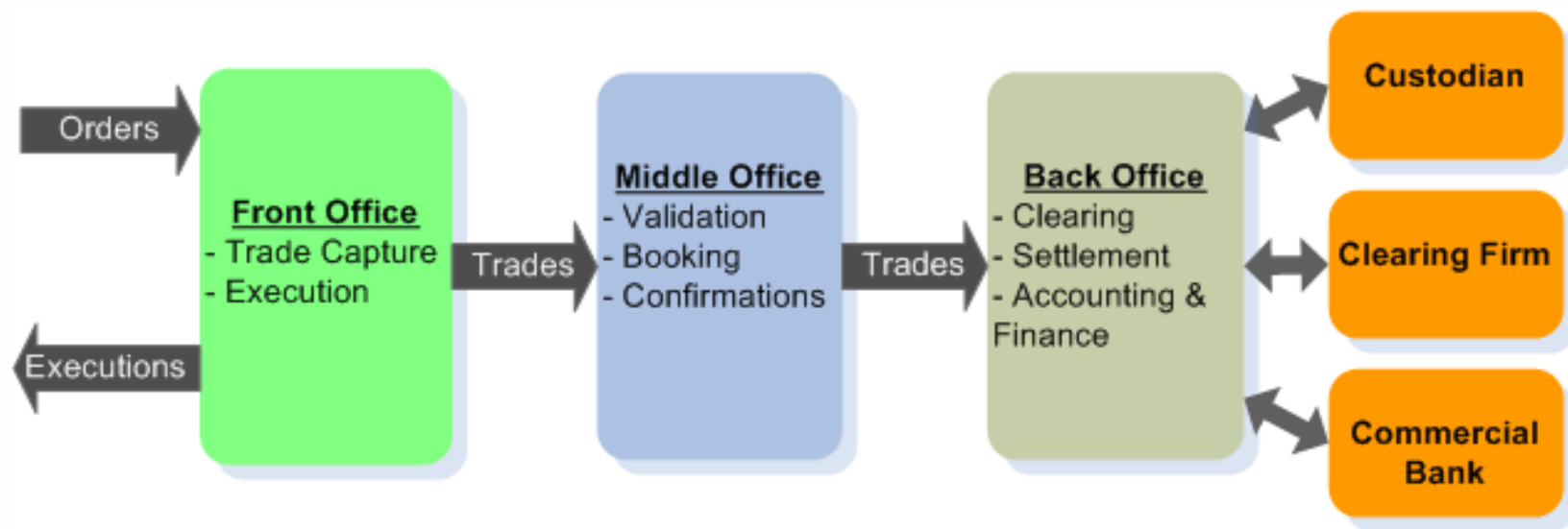
- Sales
- Order Room / Trading Floor
- Middle Office / Purchase & Sales
- Accounting / Back Office
- Cashiering

# Trade Life Cycle

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- From the Trade Origination to the Settlement
- Trading
  - Trade Origination / Order Origination
  - Trade Execution
- Operations
  - Trade Validation
  - Trade Confirmation
  - Clearing
  - Settlement

# High Level Flow



Securities Trade Processing Flow

# Order Origination

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- Orders are received from Clients
- Clients
  - Institutional Clients etc
- Received by Sales Trader
  - By Phone or
  - Electronically
- New Orders are entered into Order Management System (Trading System)
  - This step is referred as 'Trade Capture'



# Sales Department

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- Sales Team
- Also known as Sales Traders
- Responsible for all client communications
- Market new securities
- Keep knowledge of market demand
- Supply market information (demand/supply) to other departments in STO
- Move Customer orders to Order Room

# Order Room

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- Traders
- Collect Orders from Sales Traders
- Responsible for execution of orders
- Use various avenues to execute the orders
  - Exchange
  - OTC
  - Internal inventory / Trader Book etc
- Return execution reports back to Sales Trader

# Trader – Additional Responsibilities

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- Reconciliation
  - Reconcile orders with execution reports
  - Verify executions against orders and their types
- Track Open orders
  - Inform clients if any open order
  - Organize GTC (good-till-cancel) orders
- Follow industry regulations and compliance rules

# Purchase & Sales

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- Recording / Ticketing
- Figuration
- Order comparison
- Confirmations
- Booking

# Recording

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- Unique Id is assigned to each trade and create Ticket with all the trade information
- Ticket ID is used for all further references during trade processing
- This process is also referred as **TICKETING**

# Figuration

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- Calculation of cash value of trade, commissions etc
- Recognize parties involved and amounts to be paid or received

# Order Comparison

- Report Trade information to Order Comparison System and/or other compliance systems as required
- Trades are compared with counter party
  - Counter party / street side / contra
- Trade can't be processed until it is matched with street side report
- Reports are submitted electronically
- For eg: NYSE Floor trades are submitted to OCS within 20/30 minutes

# Order Comparison cont..

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- Unmatched trades are reported back and usually fixed manually
- Errors are usual and sometimes may cost to the firms
- Regulatory agencies may fine for reporting failures by firms



# Clearing

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- Follows the trade comparison step
- Clearing agency issues Contract to both parties
- At this time both parties accepted the trade terms
- National Securities Clearing Corporation (NSCC)

# Confirmations

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- At the end of the trading day paper confirmations are mailed to clients
- Confirmation contains complete details of the trade
- Clients use this as transaction record

# Booking

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- All processed orders are entered into firms books
- Updates Client positions, financial accounts and firms records and financials

# Accounting Department

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- Maintains the client accounts
- Manage the client funds in their accounts
- Responsible for calculating balance and maintain required funds based on the account types

# Cashiering

- Responsible for exchanging Securities and Funds between trading parties
- Other responsibilities are
  - Vaulting (holding certificates, maintaining book of ownership)
  - Arrange bank loans to firms to maintain their positions
  - Borrow and Lend stock as required
  - Borrow and Lend funds as required
  - Track stock splits
  - Transfer securities (update company stock ownership records)

# Cashiering Firms

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- Cashiering functionality performed by either internally or outsourced other professional firms

# Custodian

- Holds funds and stocks of the clients, collects dividends
- Stock can be recorded in actual client's name or custodian's name
- Proxy and other communications from Issuer are directed to clients
- Depository Trust & Clearing Corporation (DTCC)
  - Largest clearing and settlement corporation in US used by financial firms

# Commercial Bank

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- Lend money (loan) to Broker firms
- Underwriting of bonds (usually Munis)
- Facilitate International Trade (through issuing Bankers Acceptance)
- Act as custodians for Institutions
- Cashiering services to US Gov Securities



# Straight Through Processing(STP)

- Electronically processing the trade without any manual intervention
- Objective
  - Reduce the processing cost and time
  - Reduce the Operational Risk (avoid errors)
  - Improve efficiency
  - push for same-day (T+0) settlement
- Any errors in trade processing in STP will be separated and handled manually

# Settlement Timings

- Total time taken to process the trade after the trade date
- T+0 – Same day settlement (trade day)
- T+1 – One day after the trade day
- T+2 – Two days after the trade day
- T+2 – Three days after the trade day
- Settlement times varies based on the trade venue and other factors

# References - Books

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- “After the Trade Is Made: Processing Securities Transactions” by David M. Weiss
- “Securities Operations” by Michael Simmons – Published by Wiley

*Thank You*  
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