

Matching Arbitrage / Derivatives transactions

Steps:

- **Ticker Validation**

- **Future Tickers**

- Should contain “=” in the name,
 - “IS Equity”
 - Next 2 Characters after “=” will define the expiry month
 - ICICI=M5 IS Equity, here “M5” defines the expiry month
 - Transaction code allowed “C” or “H”, were,
 - C = Buy
 - H = Sell
 - Adjusted Quantity = Quantity * Lot size of respective future ticker (may differ for different months)

- **Cash Tickers,**

- Will be in either of the three formats
 - IN Equity
 - IS Equity
 - IB Equity
 - Transaction code allowed “B” or “S”, were,
 - B = Buy
 - S = Sell
 - Adjusted Quantity = Quantity * 1

- **Reading Long Note 1**

- **Format**

- “ *** bps / *** dvd” (in case of Dividend)
 - or,
 - “ *** bps “

- **Dividend**, if present should be added to the “Buy” side prices (New column with adjusted prices)

- **Dividend Assumptions** to be provided by UTI team.

- **Transaction Type Identification (at transaction level)**

- **Check if Cash ticker Present,**

- If “Yes”,
 - Transaction type = “Buy”
Transaction type can be either “FA” or “Lot Change with Buy”
 - Transaction type = “Sell”
Transaction type can be either “RA/Unwind” or “Lot Change with Sell”
 - If “No”,
 - Check Current Month Transaction type
 - Transaction type = “Buy”
Transaction type will be “Short Roll”

- Transaction type = “Sell”
Transaction type will be “Long Roll”
 - For “*Lot change*” transactions, split the transaction into two legs,
 - Leg 1 – Compare both the Future transactions, take the transaction with lower quantity to create the first leg,
 - Leg 2 – Residual from Leg 1 combined with Cash transaction to create Leg 2
 - Classify individual legs based on previous classification,
 - All FA / RA transactions, we will need to Classify them based on Futures Ticker in CM, NM, FM, Spreads Calculation will be at this level
- **Net Quantity** for all pair transactions should be **equal to Zero**,
- For All **Cash “Sell”** transactions, **Salable quantity** as per system be **either more than or equal to transacted quantity**,
- For All **Futures “Sell”** transactions, either we **should have reciprocal “Buy” transaction** in **Cash (in case of FA)** or **Holdings in Cash (in case of Rolls)**
- **Aggregation of Transactions,**
 - Transactions would be aggregated in the following Order
 - Account code >> Broker >> Transaction Type >> Parent ticker
 - Qty for Buy and Sell will nullify each other
 - Trade **Value = Quantity * Price**
 - **Spreads to be calculated at transaction level**, then aggregated at transaction type level for individual brokers & Account level using weighted average method (using trade value as weights)
- **For all transactions involving cash tickers, sell quantity should match with holdings.**
- **For Orders Sent to Brokers, the following should be validated with execution files,**
 - **Parent Ticker** should **match** at all the levels,
 - The **difference** between **quantity instructed and quantity executed** should be provided,
 - **Direction of trades** should be validated.

Trade Abbreviations and their respective directions

Transaction Type	Cash / Futures Direction
FA	Cash – Buy Futures – Sell
RA / UW	Cash – Sell Futures – Buy
SR	CM Futures – Buy NM Futures – Sell
LR	CM Futures – Sell , NM Futures – Buy