**EXPERT ADVISOR (EA) SPECIFICATIONS**

1. **BRIEF DESCRIPTION**

EA to open and close trade orders based on the predefined or set of input parameters. Four set of rules to be applied.

**2 APPLIED RULES**

1. Rule 1: Open a trade position based on the market candlestick direction of the predecessor candlestick which is at the particular specified date and time, which is then used as a reference to execute the trade position.
2. Rule 2: Open a trade position based on the market candlestick direction at the particular specified date and time.
3. Rule 3: Open A Trade Position At The Particular Specified Date And Time.
4. Rule 4: Open A Trade Position At The Particular Specified Market Price.

**3 INPUT PARAMETERS**

The EA should make provision for the user to specify the configuration of each set of rules. I.e. (For Rule 1 or 2: user should be able to configure the EA to specify the numbers of pips required to confirm the bullish or bearish movement direction of the market before opening the position. The confirmation direction movement should be in fractional pips, also called “pipettes”), the user to specify in the rule configuration.

The EA should be able to accept about 200 entries with conditions for trading (Rule 1, 2, 3 or and 4). This entries can be captured on MS Excel and uploaded into the EA. Every entry must be given and identifier/ a name. There should be an ability to expert in MS Excel or similar program (required for analysis) of all the entries indicating relevant entry identification, prices, open and close time, and profit or loss. In this regard, the historian capability is required.

**3.1 Rule 1 Data Entry Information Example:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Entry Description** | **Entry Inputs** | **Explanation/Comments** |
| 1 | Date | 17-12-2019 | This is an entry input, in the order will be executed. |
| 2 | Time | 13h00 | Should be accurate and synchronised with the trading platform |
| 3 | TP Points | 100 | Close position once profit in pips are reached |
| 4 | SL Points | 100 | Close position once losses in pips are reached |
| 5 | Lot Size | 0.5 | Volume of the trade |
| 6 | Strategy | Rule 1 | Once selected in the entry, the strategy configured for this rule will be executed. |
| 7 | Pipettes Movement Confirmation | 4 | This is the confirmation of the direction (Bullish or Bear) Once met the position is opened for the favoured direction. |
| 8 | Reference Candlestick validity (Open<>Close) | 2 pips | If they are both equal and less than the specified value, the EA will use the next candle stick as the reference. |
| 9 | Entry-Market Identifier/Name | Price Index | This a name given to the entry |

**3.2 Rule 2 Data Entry Information Example:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Entry Description** | **Entry Inputs** | **Explanation/Comments** |
| 1 | Date | 17-12-2019 | This is an entry input, in the order will be executed. |
| 2 | Time | 13h00 | Time to call the Rule set as per data entry. Time should be accurate and synchronised with the trading platform |
| 3 | TP Points\_1 | 100 | For Trade 1 |
| 4 | SL Points\_1 | 100 | For Trade 1 |
| 5 | TP Points\_2 | 200 | For Trade 2 |
| 6 | SL Points\_2 | 200 | For Trade 2 |
| 7 | Lot Size | 0.2 | Volume of the trade |
| 8 | Trade 1 >Market Movement to open Trade 2 | 100 | This is the progressive movement from the opening of Trade 1. If these points are met, Trade 2 is opened. |
| 9 | Trade 2 > Retracement | 130 | This is the difference in points/pips to be reached above or below as opposite to the initial opening of Trade 1. Price at Time-Stamp (1) can be used as reference to get the difference in the retracement. |
| 10 | Strategy | Rule 2 | Once selected in the entry, the strategy configured for this rule will be executed. |
| 11 | Pipettes Movement Confirmation | 10 | This is the confirmation of the direction (Bullish or Bear) Once met the position is opened for the favoured direction. |
| 12 | Reference Candlestick validity (Open<>Close) | 2 pips | If they are both equal and less than the specified value, the EA will use the next candle stick as the reference. |
| 13 | Entry Identifier/Name | Manuf. PMI | This a name given to the entry |

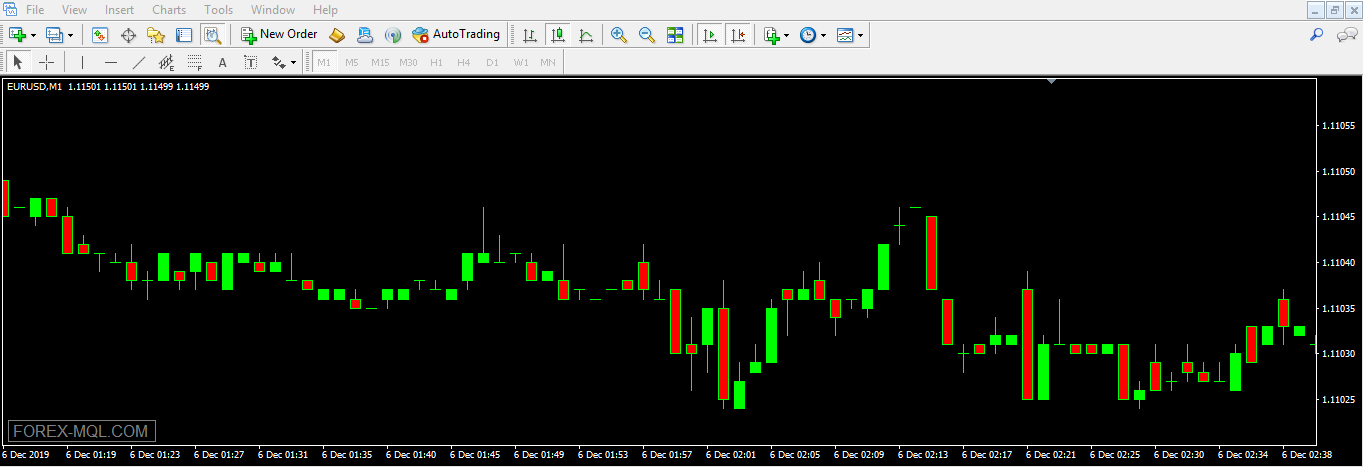
**3.3 Rule 3 Data Entry Information Example:**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | **Entry Description** | **Entry Inputs** | **Explanation/Comments** |
| 2 | Date | 17-12-2019 | Date to open the position as per data entry |
| 3 | Time | 13h00 | Time to call the Rule set as per data entry. Time should be accurate and synchronised with the trading platform |
| 4 | TP Points | 100 | Close position once profit in pips are reached |
| 5 | SL Points | 100 | Close position once losses in pips are reached |
| 6 | Strategy | Rule 3 | Once selected in the entry, the strategy configured for this rule will be executed. |
| 7 | Lot Size | 0.04 | Volume of the trade |
| 8 | Entry Identifier/Name | Rule 3 Tue | This a name given to the entry |
| 9 | Trade Frequency | 3 | This is an indication on how many time this should executed. If it is once off, the value is 1, twice the value is 2, and so on. |

**3.4 Rule 4 Data Entry Information Example:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Entry Description** | **Entry Inputs** | **Explanation/Comments** |
| 1 | Price - Buy | 1.63451 | This is the Buy price the EA will execute once reached. The EA should open at exact price, and not approximately |
| 2 | Price - Sell | 1.63100 | This is the Sell price the EA will execute once reached. The EA should open at exact price, and not approximately |
| 3 | TP Points | 100 | Close position once profit in pips are reached |
| 4 | SL Points | 100 | Close position once losses in pips are reached |
| 5 | Lot Size | 0.3 | Volume of the trade |
| 6 | Strategy | Rule 4 | Once selected in the entry, the strategy configured for this rule will be executed. |
| 7 | Entry Identifier/Name | Rule 3 Thur | This a name given to the entry |
| 8 | Trade Frequency | 2 | This is an indication on how many time this should executed. If it is once off, the value is 1, twice the value is 2, and so on. |

**4 RULES APPLICATION (Sample)**



The bearish opening is detected and sell trade is executed. From the opening, the market travels 10 pips, and once that is achieved, EA open another sell trade. To open the second trade, it was set that the market should move 10pis on bearish from the opening of the candlestick.

Sell trade position made at the particular specified market price

Buy trade position executed at the particular specified date and time

RULE 4

RULE 3

RULE 2

When the market reversed, the buy position was opened after the market travelled 5 pips above the opening price of the previous highlighted bearish candlestick

The Sell position is executed at opening of the bearish candlestick

RULE 1

At the time set, the bearish candle is formed and used as reference to execute the trade at the opening of the next bearish candlestick