

15M MASTER SIGNAL + INTERNAL MSS ENTRY

COMPLETE DEVELOPER SPECIFICATION

This document is standalone. The developer should implement the strategy from this specification without requiring the original Pine Script. The existing strategy logic remains the base; only the signal/entry mechanism is changed to the 15-minute master-signal + internal MSS model.

1. Master Timeframe & Signal

The **15-minute timeframe is the only master signal timeframe**. Buy/Sell signals are generated only from the 15m strategy logic. No independent signals may be generated from 1m, 3m, 5m, 30m or any other timeframe.

The same confirmed 15m signal must remain visible when the chart is switched to 1m, 3m or 5m. The original 15m signal candle must remain the master candle regardless of the chart timeframe.

2. Existing 15m Signal Logic

The existing signal concept is a liquidity-grab condition using Support/Resistance and EMA.

EMA: default EMA length = 30.

S/R: Support and Resistance are based on pivot low/high, with Left Bars = 1 and Right Bars = 1 by default.

Buy: valid Support exists, the 15m candle low is below Support, the candle closes back above Support, and the close is above EMA.

Sell: valid Resistance exists, the 15m candle high is above Resistance, the candle closes back below Resistance, and the close is below EMA.

These existing signal filters remain unchanged; they are simply evaluated on the 15m master timeframe.

3. Master Signal Candle

When a 15m Buy/Sell signal is confirmed, store that exact 15m candle as the **Master Signal Candle**. Its High, Low, time and direction remain fixed for the entire setup. Changing the chart to 1m/3m/5m must never replace it with a lower-timeframe candle.

4. SL & Buffer

Buy SL = Master 15m Signal Candle Low – SL Buffer.

Sell SL = Master 15m Signal Candle High + SL Buffer.

Default SL Buffer = **\$0.50**, editable in settings. For XAUUSD, the reference is 1 pip = \$0.10, so \$0.50 corresponds to 5 pip-units.

The SL must always come from the original 15m signal candle. The selected MSS timeframe must never change the SL.

5. Spread

Preserve the existing spread simulation.

Enable Spread Simulation = ON by default; Spread = 5 pips; Pip Size = \$0.10 by default.

Spread Value = Spread Pips × Pip Size. Half Spread = Spread Value ÷ 2.

For Buy, the existing raw entry reference is the master 15m signal candle High, with half-spread added. For Sell, the raw entry reference is the master 15m signal candle Low, with half-spread subtracted. The MSS event determines **when** this existing entry is triggered; it does not replace the existing entry-price calculation.

6. MSS Timeframe Setting

Add a dropdown: **MSS Timeframe = 1 Minute / 3 Minutes / 5 Minutes.**

This setting is used **only** to find the internal MSS swing. It must not change the master signal timeframe, SL timeframe, EMA timeframe, S/R timeframe, or trade context. The strategy remains a 15m strategy.

7. Internal MSS — Left-Side Only

For a Buy setup, find the most recent valid swing **High** on the selected 1m/3m/5m timeframe that belongs to the structure on the **left side of the 15m master signal**.

For a Sell setup, find the corresponding recent swing **Low** on the selected timeframe from the left-side structure.

A swing created after the 15m signal must not become the MSS reference. The left-side structure is the important reference.

8. MSS Must Be Monitored During 15m Candle Formation

The MSS check does **not** start only after the 15m candle closes. The selected 1m/3m/5m internal structure must be monitored while the 15m signal candle is still forming.

If the selected left-side swing is already touched/broken before the 15m signal is confirmed, record MSS as already confirmed. If it is touched/broken during formation of the 15m signal candle, also record MSS immediately. When the 15m candle closes and confirms the signal, entry should be reflected/triggered immediately because MSS has already occurred.

If MSS has not occurred by the 15m signal close, keep the setup pending and wait for the selected left-side swing to be touched/broken later.

9. Buy Entry Sequence

Case A — MSS before signal confirmation: selected left-side 1m/3m/5m swing High is touched/broken before the 15m Buy signal confirms → store MSS = confirmed → when the 15m Buy signal confirms, trigger the existing Buy entry immediately.

Case B — MSS during signal-candle formation: the 15m Buy candle is still forming and price touches/breaks the selected left-side swing High → store MSS immediately → when the 15m Buy signal closes/confirms, trigger the existing Buy entry immediately.

Case C — MSS after signal confirmation: 15m Buy signal confirms but the selected left-side swing High has not been touched/broken → keep Entry Pending → when that level is touched/broken, trigger the existing Buy entry immediately.

The lower timeframe is never the trade timeframe. It only supplies the internal MSS trigger.

10. Sell Entry Sequence

Sell is the exact inverse of Buy. The selected 1m/3m/5m left-side swing **Low** is the MSS reference. If it was broken before or during the 15m Sell signal candle, MSS is already confirmed and entry triggers as soon as the 15m Sell signal confirms. Otherwise, the setup waits for the swing Low to be touched/broken after the signal.

11. Invalidity & Sweep

Buy: before MSS, if price goes below the master 15m signal candle Low and the relevant 15m body closes below that Low, cancel the setup. A wick below the Low followed by recovery is a sweep and does not cancel the setup.

Sell: before MSS, if price goes above the master 15m signal candle High and the relevant 15m body closes above that High, cancel the setup. A wick above the High followed by recovery is a sweep and does not cancel the setup.

12. New 15m Signal Priority

If a new valid 15m signal appears while a previous setup is still pending, the previous setup becomes inactive. Its pending entry and MSS process are terminated. The new 15m signal becomes the new Master Setup, with a new master candle, SL reference and left-side MSS reference.

13. Risk, TP & RR

After the MSS-triggered entry is executed, preserve the existing risk/target logic.

Default Final Target RR = **2.5**. Default Partial Book RR = **1.0**. Default Partial Book Quantity = **50%**.

Buy Risk = Entry – SL. Buy TP1 = Entry + Risk × Partial RR. Buy TP2 = Entry + Risk × Final RR.

Sell Risk = SL – Entry. Sell TP1 = Entry – Risk × Partial RR. Sell TP2 = Entry – Risk × Final RR.

Do not use the MSS level as the entry price.

14. Partial Booking & Breakeven

Default Lot Size = **2.0**, editable. After TP1/partial-book conditions are met, the configured partial quantity is booked.

Preserve the existing partial-position detection and remaining-position management.

Breakeven is enabled by default. After the partial book, if BE is enabled, move SL to the actual entry price. Before BE, use the original SL. Preserve this existing behavior.

15. Visuals & Settings

Preserve the existing trade-level display: Entry, SL, TP1, TP2 and BE lines/labels. Show Trade Price Labels is ON by default. Font-size options remain Tiny, Small, Normal, Large and Huge.

The pending setup may remain visible while waiting for MSS. Once the setup/trade is no longer active, its objects may be cleared according to the existing reset behavior.

16. Core Architecture

15m = Signal + Master Signal Candle + SL + Trade Context + Entry Price + Trade Management.

1m / 3m / 5m = Only internal MSS swing detection.

The selected lower timeframe must never become the execution timeframe. No independent lower-timeframe signal is allowed. The selected swing is only the trigger that activates the original 15m trade.

17. Final Developer Rule

Do not rewrite the existing strategy's EMA, Support/Resistance, liquidity-grab signal conditions, SL buffer, spread, entry-price calculation, RR, TP1, TP2, partial booking, BE or trade-management behavior unnecessarily.

The required change is the **entry mechanism**: 15m creates the master setup; selected 1m/3m/5m data finds the left-side internal swing; MSS may occur before or during formation of the 15m signal candle or after the 15m signal confirms; once both 15m signal and MSS are confirmed, the existing 15m entry is triggered immediately.

Most important: the 15m signal candle's Low/High always controls SL. The selected 1m/3m/5m timeframe only determines which internal left-side swing is used for MSS.