E2T Eval Trader

Strategy Analysis & Optimization

Account: falde5482-simE (SIM) / falde5482tcp50 (Eval)

Instrument: MES (Micro E-mini S&P 500)

Date: February 2026

Based on 64 live trades + 24-trade DD simulation

Constraints:

Max risk per trade: $300

Daily loss limit: $1,100 (E2T rule) with $100 buffer

3 losing trades = stop for the day ($900 max daily loss)

Eval target: $3,000 profit

EOD trailing drawdown: $2,000 from peak balance

1. Win Rate vs Target Level

Using DD Exhaustion simulation data (24 trades, Feb 11-17) which has the most detailed MaxFav (maximum favorable excursion) data available. This shows how far each trade went in the profitable direction before reversing.

Target (pts)	Trades Reaching	Win Rate
5	20 / 24	83%
8	16 / 24	67%
10	14 / 24	58%
15	8 / 24	33%
20	6 / 24	25%
25	4 / 24	17%
30	3 / 24	13%

Key insight: 10pt target has 2.3x the win rate of 25pt (58% vs 25%).

The drop-off is steep. Moving from 10pt to 15pt target loses nearly half the wins (58% to 33%). Meanwhile the extra 5 points of profit per win doesn't compensate for the much higher loss rate.

2. Position Sizing at $300 Max Risk

With $300 max risk per trade, position size depends on the stop distance: qty = floor($300 / (stop_pts x $5/pt)). Each MES point = $5. Different setups have different stop distances.

Setup	Stop	Qty	Risk	Win @10pt	R:R
GEX Long	8 pts	7 MES	$280	$350	1.25:1
BofA Scalp	12 pts	5 MES	$300	$250	0.83:1
DD Exhaustion	12 pts	5 MES	$300	$250	0.83:1
ES Absorption	12 pts	5 MES	$300	$250	0.83:1
Paradigm Rev	15 pts	4 MES	$300	$200	0.67:1
AG Short	20 pts	3 MES	$300	$150	0.50:1

Note: AG Short has the worst R:R (0.50:1) because its 20pt stop requires only 3 MES. However, its 75% win rate more than compensates. GEX Long has the best R:R but the lowest win rate (23%), making it a net loser.

3. Expected Value Per Trade

EV = (WR x Win$) - ((1-WR) x Loss$). This is the average profit per trade over many repetitions. Positive EV setups make money long-term; negative EV setups lose.

Setup	Est. WR @10pt	Win $	Loss $	EV/trade
AG Short	~85%	$150	$300	+$82.50
ES Absorption	~70%	$250	$300	+$85.00
Paradigm Rev	~65%	$200	$300	+$25.00
DD Exhaustion	~58%	$250	$300	+$19.00
BofA Scalp	~45%	$250	$300	-$52.50
GEX Long	~40%	$350	$280	-$28.00

AG Short WR estimate: live WR is 75% using full Volland targets (20-50pts). With a tighter 10pt target, WR should be ~85%+ since most winning trades reach +10 well before the full target.

BofA WR issue: live WR is 33% with 10pt target and 30-min expiry. Many BofA trades expire as small losses that would have eventually hit the stop with exchange-level brackets (no time limit). Without the 30-min safety net, BofA becomes a net loser.

Bottom line: 4 setups are profitable (AG, ES Abs, Paradigm, DD). 2 setups are money losers (BofA, GEX Long). Disable the losers.

4. Split Target Analysis (Why It Doesn't Work Here)

Split target means dividing the position into two parts: a 'scalp' portion at +10pts and a 'runner' at +20-25pts. This captures big moves without capping profit. BUT the math shows it reduces expected value for exchange-level brackets.

Simulation: DD with split 3+2 MES, T1@10pt, T2@25pt, Stop@12pt

Scenario	Probability	P&L	Contribution
Both stopped	42%	-$300	-$126
T1 wins, T2 stopped	41%	+$30	+$12
Both win	17%	+$400	+$68

Split target EV: -$45.70 per trade

Simple 10pt target EV: +$19.00 per trade

The split hurts because: (1) the runner portion (T2@25pt) only hits 17% of the time, (2) when T1 wins but T2 stops, the net is only +$30 (barely positive), and (3) the 42% full-stop scenario at -$300 dominates the expected value.

Split targets work well on the Railway auto-trader because it has a live price feed and can trail the stop to breakeven after T1 fills. The eval trader doesn't have a price feed, so the T2 runner has no downside protection after T1 fills.

Verdict: For exchange-level brackets without a price feed, 10pt fixed target gives the best expected value.

5. Setup Selection

Setup	Status	Reason
AG Short	ON	75% WR, +$82/trade EV, best performer
DD Exhaustion	ON	58% WR, +$19/trade EV, high volume
ES Absorption	ON	100% WR (2 trades), strong edge
Paradigm Rev	ON	100% WR (2 trades), strong edge
BofA Scalp	OFF	33% WR, negative EV without 30-min expiry
GEX Long	OFF	23% WR, negative EV, bleeds money

ES Absorption and Paradigm Reversal have very small samples (2 trades each). Their 100% WR will likely regress. However, even at 65-70% WR they remain positive EV, so enabling them is +EV in expectation.

6. Daily P&L Projections

Setup Frequency (from 64 trades over ~10 trading days)

Setup	Avg/Day	Est. Wins	Est. Losses	Est. Daily P&L
AG Short	1.2	1.0	0.2	+$99
DD Exhaustion	1.7	1.0	0.7	+$32
ES Absorption	0.2	0.15	0.05	+$22
Paradigm Rev	0.2	0.13	0.07	+$5
TOTAL	3.3	2.3	1.0	+$158

Day Type Scenarios

Day Type	Trades	Wins	Losses	Net P&L
Great day	5+	4+	0-1	+$700 to +$1,000
Good day	4	3	1	+$350 to +$500
Average day	3	2	1	+$150 to +$250
Bad day	3	0	3	-$900 (stopped)

Path to $3,000 (Eval Target)

Scenario	Daily Avg	Trading Days	Calendar Weeks
Conservative	+$100/day	30 days	~6 weeks
Moderate	+$150/day	20 days	~4 weeks
Aggressive	+$250/day	12 days	~2.5 weeks

The moderate scenario (+$150/day) is the most realistic based on the data. This passes the eval in about 4 weeks. Bad days (-$900) happen but are offset by good days (+$500+). The 3-loss daily stop prevents catastrophic drawdowns.

7. Risk Management Rules

Per-Trade Rules

1. Max risk: $300 per trade (enforced via dynamic position sizing)

2. Position size: qty = floor($300 / (stop_pts x $5))

3. All orders are exchange-level brackets (survive script crashes)

4. Fixed 10pt target, setup-specific stop distance

Daily Rules

1. Three (3) losing trades = STOP trading for the day

   Max daily loss: $900 (safely under $1,100 E2T limit)

2. No new trades after 15:30 CT (E2T rule)

3. Flatten all positions at 15:50 CT (E2T rule)

4. Daily P&L tracked and persisted across restarts

Account Rules (E2T 50K TCP)

1. Daily loss limit: $1,100 (we stop at $900 = 3 losses)

2. EOD trailing drawdown: $2,000 from peak balance

   Starting: $50,000, floor: $48,000

3. Max position: 60 MES (6 ES equiv) - our max is 7 MES per trade

4. Eval target: +$3,000 profit

8. Final Configuration

Parameter	Value
Account	falde5482-simE (SIM first)
Symbol	MES 03-26 (auto-rollover)
Target	10 pts (all setups)
Max risk/trade	$300
Daily stop-loss	3 losses ($900)
AG Short	ON | stop: 20 | qty: 3 | risk: $300
DD Exhaustion	ON | stop: 12 | qty: 5 | risk: $300
ES Absorption	ON | stop: 12 | qty: 5 | risk: $300
Paradigm Rev	ON | stop: 15 | qty: 4 | risk: $300
BofA Scalp	OFF
GEX Long	OFF

Upgrade Path (After Passing Eval)

Once funded, you can upgrade the strategy with:

1. Add price feed (TradeStation API or Rithmic) for real-time MES quotes

2. Split target: T1=half@+10pt, T2=half@full Volland target with trailing stop

3. Re-enable BofA Scalp with 30-min time-based flattening

4. Increase position size (funded accounts have higher drawdown tolerance)

5. Add trailing stops for DD/AG to capture 30-50+ pt runners

Analysis based on 64 live setup outcomes (Feb 5-20, 2026) and 24-trade DD Exhaustion simulation (Feb 11-17, 2026). Small sample sizes for ES Absorption and Paradigm Reversal (2 trades each). Win rates may shift as more data is collected. All numbers assume MES at $5/point.