

Multi-Timeframe Technical Chain Analysis

Asset: Nasdaq (US 100)
Class: Index

21 April 2025



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Introduction

Welcome to a comprehensive analysis of the Nasdaq (US100), crafted with precision and institutional insight to empower your trading decisions. I'm Amiero Juan, a Dubai-based trader with a passion for uncovering high-probability setups in global markets.

My approach leverages institutional Supply and Demand principles to identify key price levels where major market players leave their footprints. With years of experience analyzing forex, indices, commodities, cryptocurrencies, and any other assets,

I specialize in multi-timeframe strategies that combine technical precision, macro fundamentals, and intermarket correlations—delivering actionable insights for both strategic investors and active traders.

In this report, we dive deep into the Nasdaq (US100), a tech-heavy index at the heart of global financial markets, using a top-down methodology across Yearly, 6-month, 3-month, Monthly, Weekly, Daily, and 4-hour timeframes.

Let's unlock the power of order flow together.



Foundational Concepts

To fully understand the analysis in this report, let's break down some key concepts that form the backbone of institutional trading. These principles, rooted in market dynamics, help us identify where price is likely to move based on the behavior of large players.

Breakout

A Breakout occurs when price moves decisively above a distal level of a supply zone or a trendline (in an uptrend) or below a distal level of a demand zone (in a downtrend), often with high volume.

- Only consider a trendline "broken" when a full candle (open-close-high-low) is beyond it.
- Only consider a support/resistance "broken" when a candle closes and consolidates beyond it.
- When you spot a reversal candlestick pattern, such as an engulfing formation, approach it cautiously.



Supply & Demand



Supply zones are price resistance levels where institutional sellers dominate, creating strong resistance.
Demand zones are price support levels where institutional buyers step in to purchase an asset.

Proximal and Distal Lines:

In Supply and Demand zones, the proximal line is the closest edge of the zone, where price often reacts first. The distal line is the outer edge, serving as the invalidation level, if the price passes this, the zone is no longer valid.

Analysis Overview

Asset: Nasdaq (US100)

Class: Index

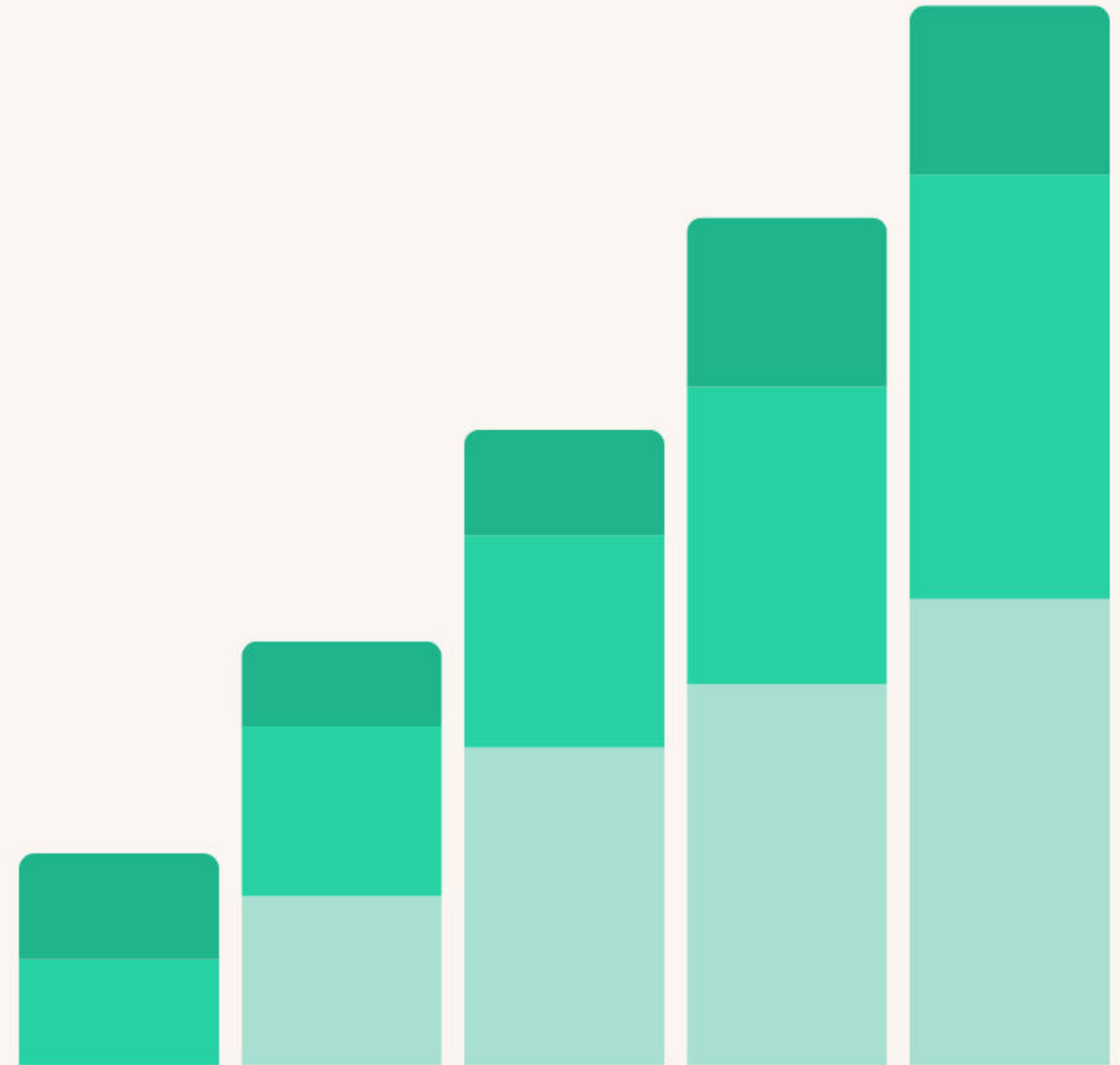
Secondary Asset: S&P 500 (SPX) for chain analysis

Investment Horizons:

- ✓ Strategic Macro (Yearly, 6-Month, 3-Month)
- ✓ Long Term (Monthly, Weekly, Daily)
- ✓ Medium Term (Weekly, Daily, 4-Hour)

Methodology: Supply and Demand (Smart Money)

Report Date: 21 April 2025





Fundamental Analysis Summary

Nasdaq's institutional order flow is shaped by macro forces:

Interest Rates:

Fed's pause on rate hikes (Q1 2025) supports tech-heavy indices, but potential rate cut delays (due to sticky inflation) pressure equities.

Earnings:

Q1 2025 tech earnings (e.g., Apple, Microsoft) were mixed, with profit-taking at highs (~21,049).

Geopolitics:

US-China trade tensions add volatility, impacting risk appetite.

Economic Data:

US PMI at 49.5 (April 2025) signals contraction, bearish for equities; NFP data expected to influence Fed policy.

SPX Correlation:

Nasdaq follows SPX trends, with both indices vulnerable to tech sector weakness.

Fundamental Outlook:

Neutral for Y1/M6, bearish bias for M3/D1/H4 due to recent sell-off and macro uncertainty.



Technical Analysis by Investment Horizons

01.

Strategic Macro

Analyzed Time Frames

Structure: Yearly

Middle: 6-month

Trade: 3-month

Objective

Macro trends identification for portfolio allocation.

02.

Long Term

Analyzed Time Frames

Structure: Monthly

Middle: Weekly

Trade: Daily

Objective

Long-term trends identification for positions management.

03.

Medium Term

Analyzed Time Frames

Structure: Weekly

Middle: Daily

Trade: 4-hour

Objective

Short-term trends identification for Swing Trades.



Chart 1: (Yearly chart: 7,700–5,836 yearly demand, 21,000 supply, volume confirmation.)



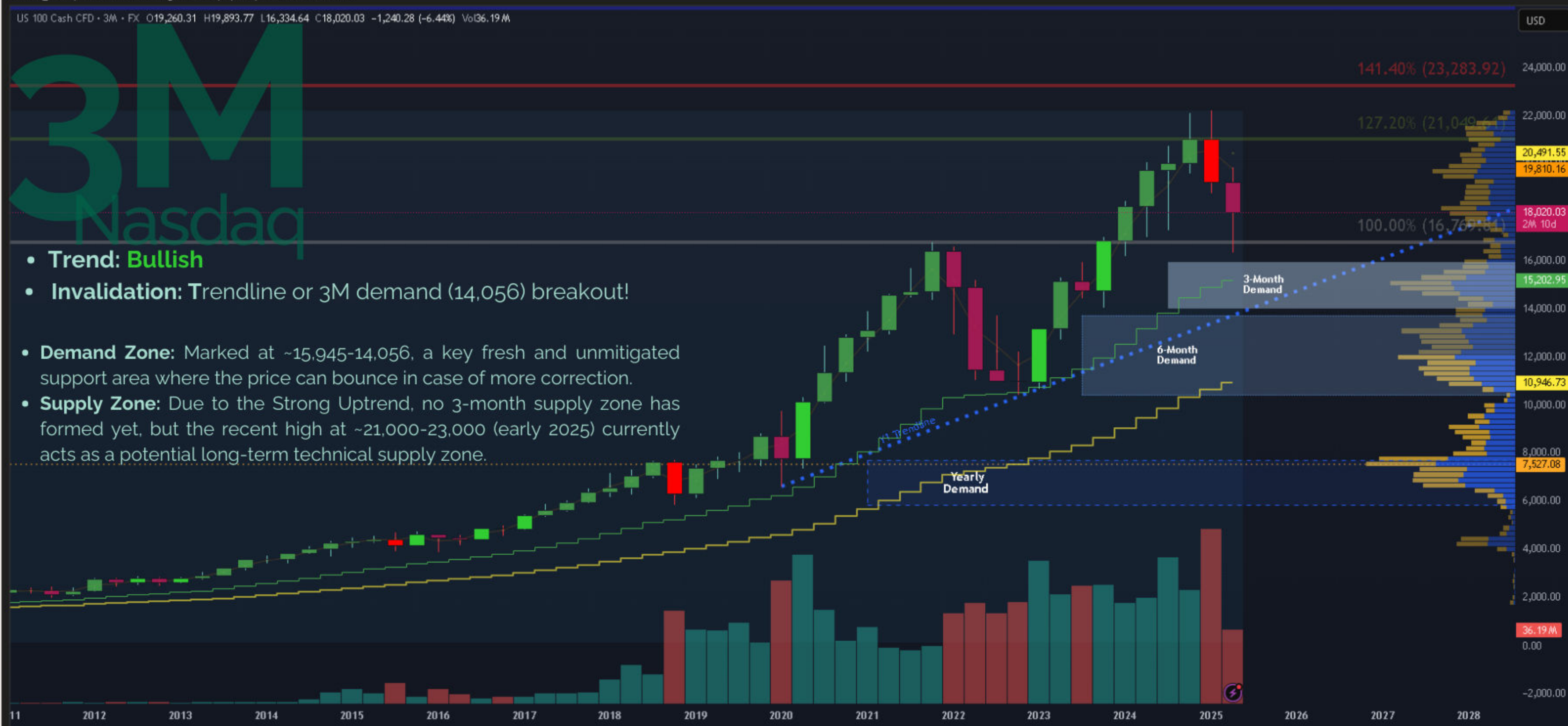
Chart 2: (6-month chart: 13,723–10,437 monthly demand, 21,000 supply, volume confirmation.)

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US 100 Cash CFD • 3M • FX • O19,260.31 H19,893.77 L16,334.64 C18,020.03 -1,240.28 (-6.44%) Vol36.19M

3M Nasdaq

- **Trend:** **Bullish**
- **Invalidation:** Trendline or 3M demand (14,056) breakout!
- **Demand Zone:** Marked at ~15,945-14,056, a key fresh and unmitigated support area where the price can bounce in case of more correction.
- **Supply Zone:** Due to the Strong Uptrend, no 3-month supply zone has formed yet, but the recent high at ~21,000-23,000 (early 2025) currently acts as a potential long-term technical supply zone.



TradingView

Chart 3: (3-month chart: 15,945-14,056 M1 demand, 21,000,23,000 supply, volume confirmation.)

Supply & Demand Analysis

Strategic Macro Horizon (Y1, 6M, 3M)

Observations:

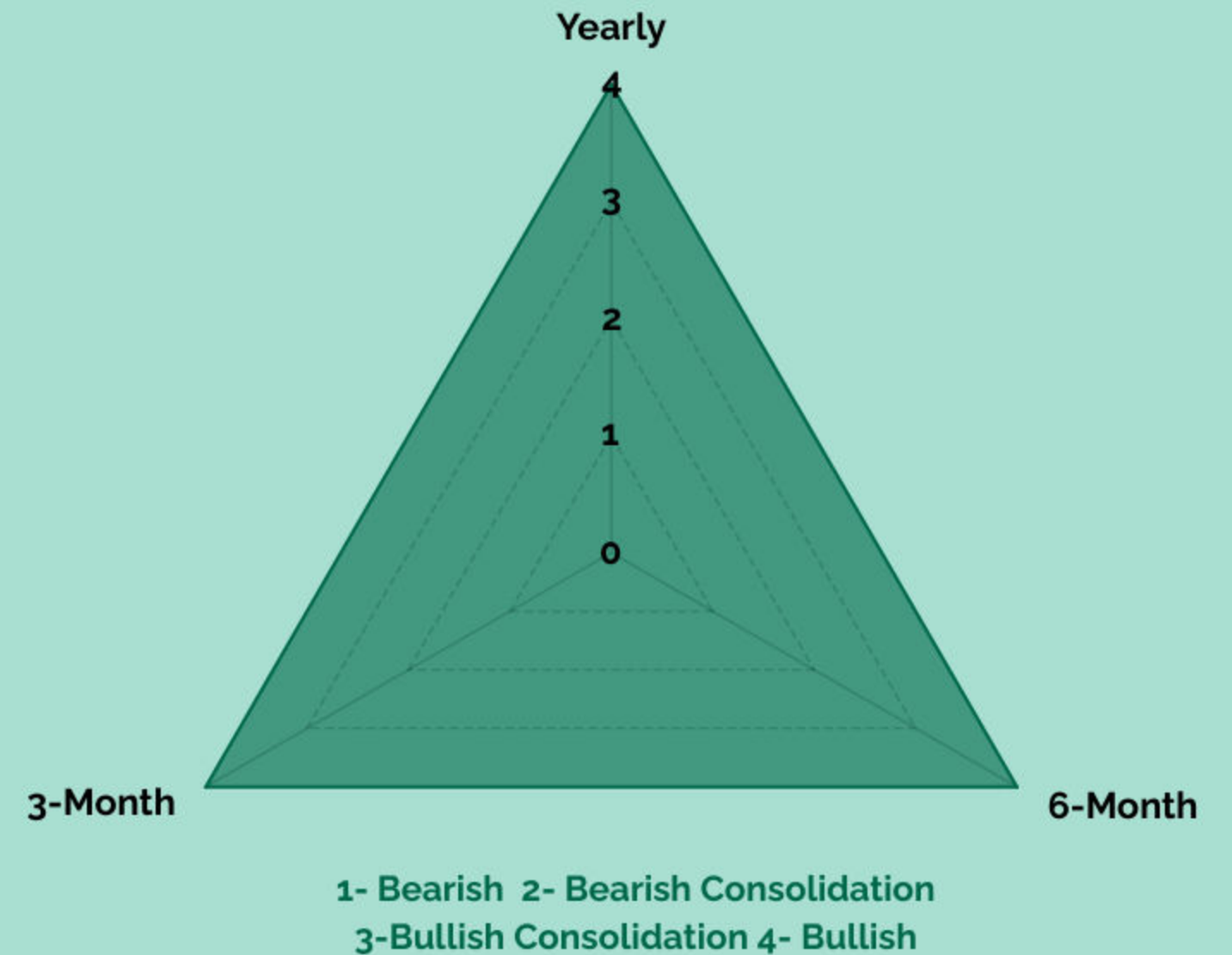
- As we can see in the yearly chart (chart 1), the price is near all-time highs (~22,000), suggesting potential for a pullback to retest lower demand or a breakout to new highs.
- Price dropped from 22,255 to ~16,000 (April 2025), showing bearish momentum on the 6-month time-frame (chart 2).
- On the 3-month time-frame (chart 3), an engulfing candle has formed and the price is in a correction, with a recent low at ~16,334 (April 2025). The 3-month outlook suggests a potential retest of 15,945, with an upside to ~20,000 if buyers emerge.
- All time-frames in this horizon are still in an uptrend, so monitoring lower time-frames is suggested for better and more precise decisions.

Best trading setup scenario

Accumulate (Long) at ~16,000 (M3 demand).

Setup invalidation: Breakout below 14,056 (distal).

● Strategic Macro Horizon Trends Status



Note: Any shift in the current trend across the analyzed timeframes (Y1,6M,3M) will invalidate this analysis and necessitate an update.

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US 100 Cash CFD • 1M • FX • O19,260.31 H19,893.77 L16,334.64 C18,037.78 -1,222.53 (-6.35%) Vol36.19M

M1

Nasdaq

- **Trend:** **Bullish**
- **Invalidation:** Trendline breakout confirmation!

- **Demand Zone:** The two nearest demand zones are located at 16,998-16,188 (recently tested) and 14,858-14,056 (fresh). The lower monthly demand zone is stronger than the first one.
- **Supply Zone:** 20,418-22,255 supply zone formed as the price rejected and eliminate the ~17,000 demand zone in April, signaling seller activity.



TradingView

Chart 4: (Monthly chart: 14,858–14,056 demand, 20,418–22,255 supply, RSI, volume.)

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US 100 Cash CFD • 1W • FX O18,312.71 H18,312.71 L17,779.93 C17,795.43 -517.28 (-2.82%) Vol654.11K

- **Trend:** **Bearish**

- **Invalidation:** Supply zone (22,255) breakout confirmation!

- **Demand Zone:** The two nearest demand zones are located at 16,818-16,188 (recently tested) and 16,176-15,696 (fresh). ~17,000 demand (W/1 imbalance) absorbed selling, a high-probability base.

- **Supply Zone:** 21,602-22,255 supply zone formed as the price rejected and eliminate both ~20,554 & 19,643 demand zones in March, signaling seller activity.



Chart 5: (Weekly chart: 16,176–15,696 demand, 21,602-22,255 supply, volume.)

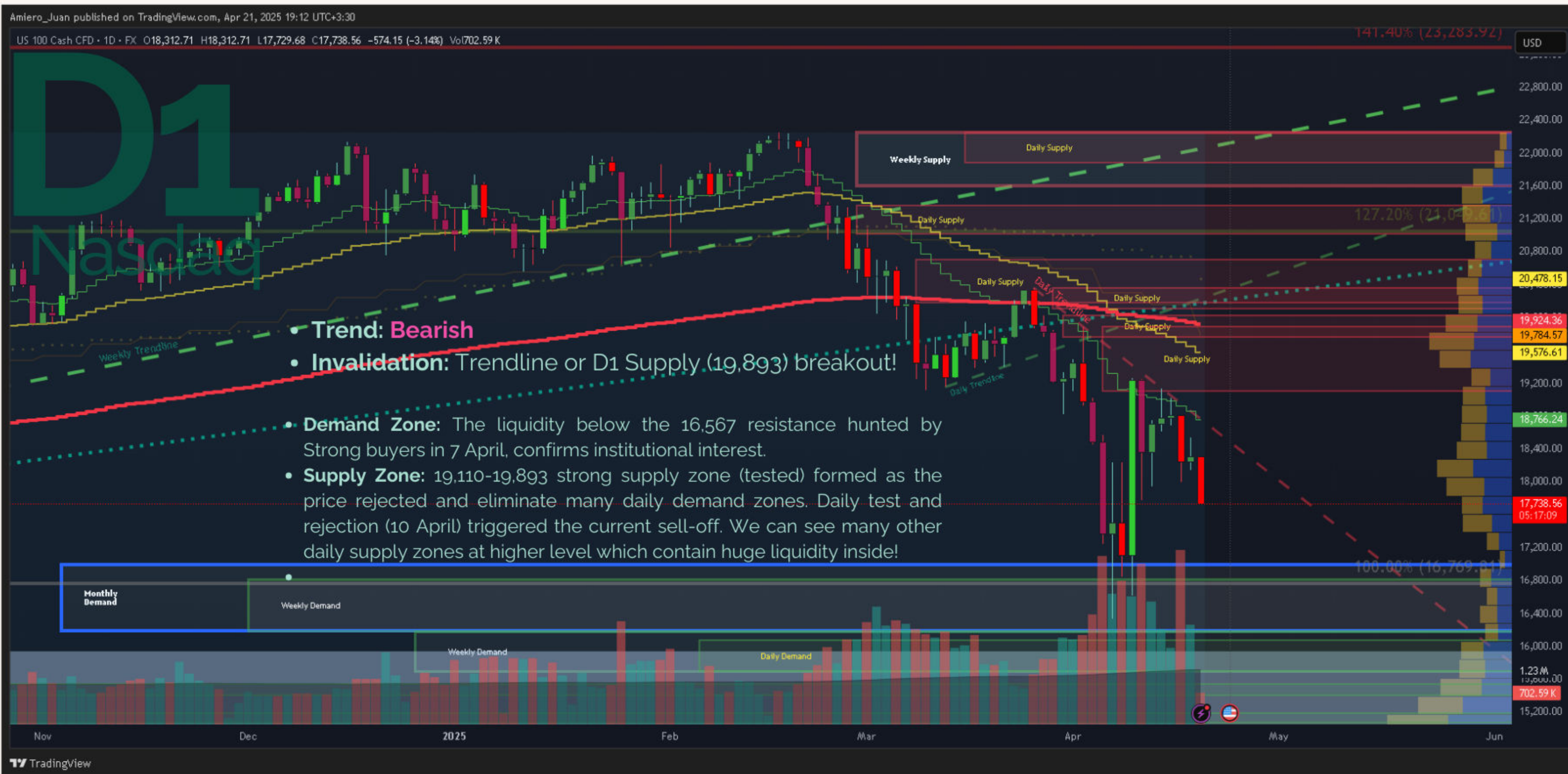


Chart 6: (Daily chart: 16,075–15,696 Daily demand, 19,110-19,893 supply, volume confirmation.)

Long Term Positions (M1, W1, D1) Supply & Demand Analysis

Observations:

- Price is consolidating above the ~17,000 demand, with a potential test of the ~20,000 supply if buying pressure increases. (chart 4)
- Closing a monthly candle below the trendline with full body, confirms changing the monthly trend to bullish consolidation.
- As we can see in the weekly chart (chart 5), Price rejected the 21,049 supply and dropped to ~17,000 (April 2025). The fast recovery from the weekly demand indicates a bullish sign. Any retest of the ~17,300-16,000 demand area can be a great buying opportunity.
- Price rejected from ~17,000 support area showing bullish momentum on the daily candle (chart 6).
- New demand zone formation On the daily time-frame and in the range of ~17,500 is possible. All eyes on that range.

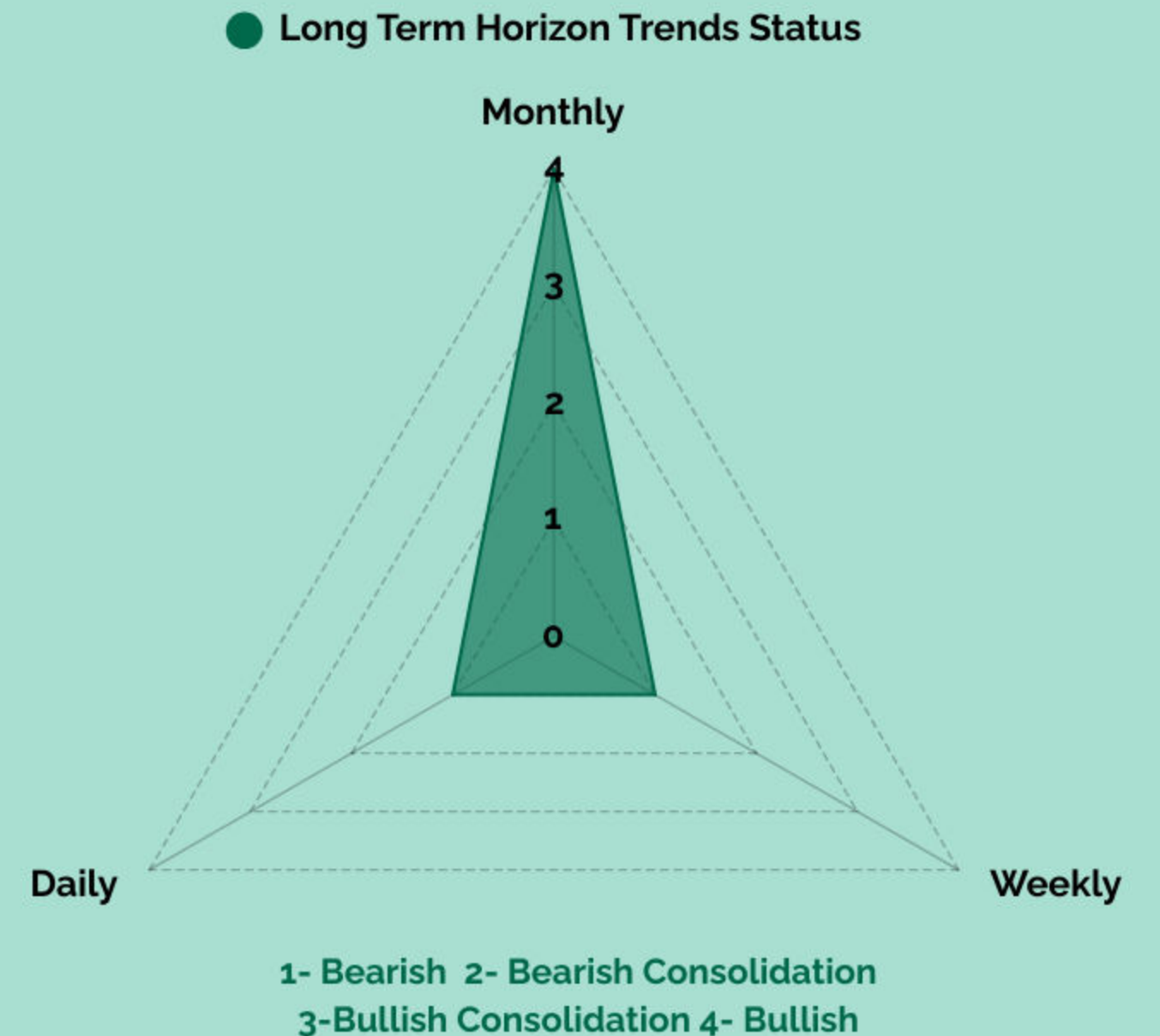
Best trading setup scenario

Accumulate (Long) at ~17,500 (D1 demand nested to M1).

Invalidation: Breakout below 14,056 (distal).

Sell at ~20,400-21,500 (W1 Supply nested to M1)

Invalidation: Breakout below 16,188 (distal) may cause further correction to 15,000-14,000 demand zone.



Note: Any shift in the current trend across the analyzed timeframes (M1,W1,D1) will invalidate this analysis and necessitate an update.

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US 100 Cash CFD · 4h · FX · O17,892.56 H17,894.18 L17,686.06 C17,719.81 -172.75 (-0.97%) Vol320.8 K



TradingView

Chart 7: (4-hour chart: 17,330-16,334 demand, 19,341-19,893 supply, volume.)

Medium Term Intermediate (W1, D1, H4)

Supply & Demand Analysis

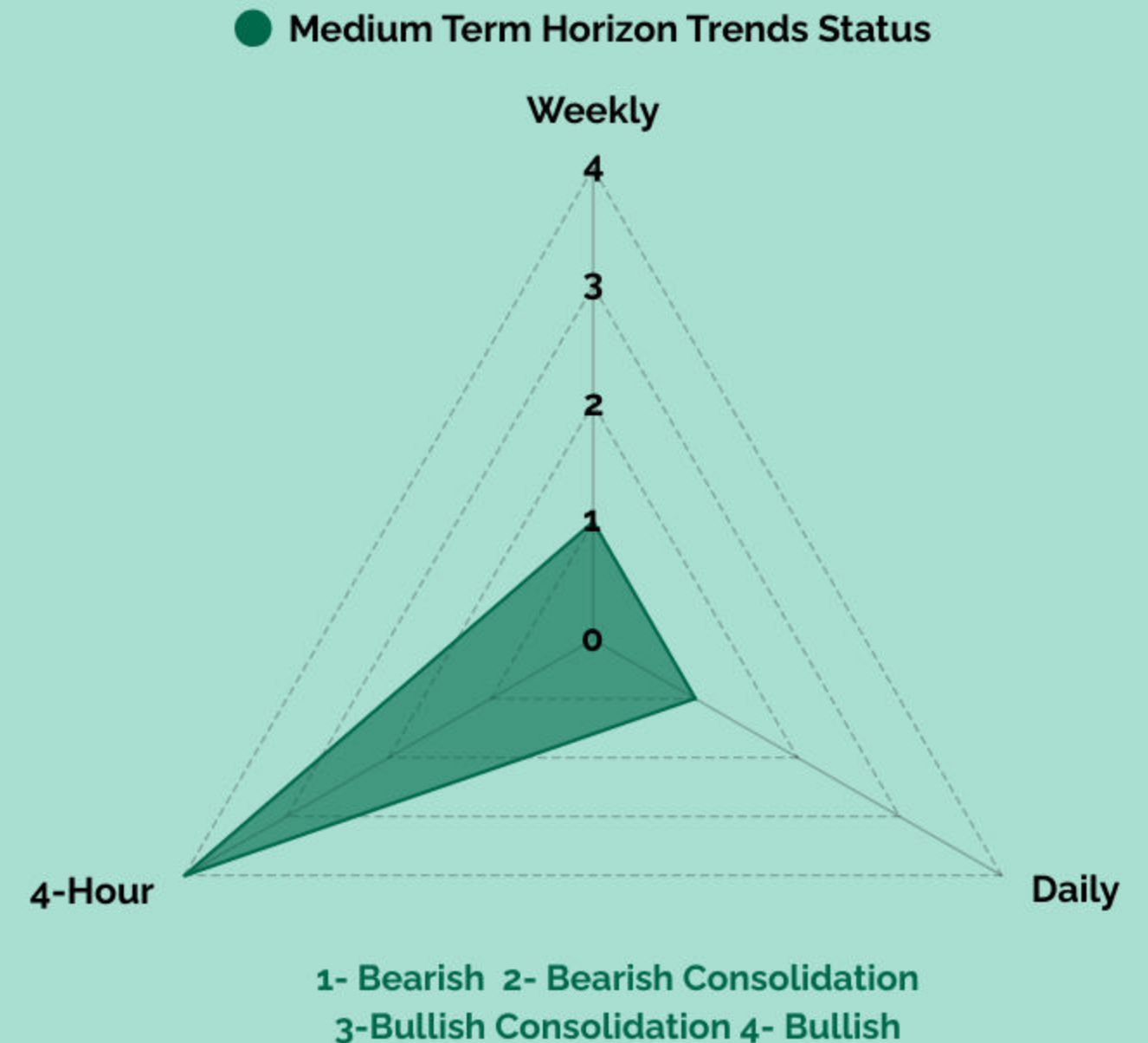
Observations:

- As we can see in the weekly chart (chart 5), Price rejected the 21,049 supply and dropped to ~17,000 (April 2025), The fast recovery from the weekly demand indicates a bullish sign. Any retest of the ~17,300-16,000 demand area can be a great buying opportunity.
- Price rejected from ~17,000 support area showing bullish momentum on the daily candle (chart 6).
- New demand zone formation On the daily time-frame and in the range of ~17,500 is possible. All eyes on that range.
- **Price is in a uptrend, with a recent high at ~19,000 (9 April).**
- **The 17,330-16,334 strong demand is a high-probability entrance range for buyers.**

Best trading setup scenario

Buy (Accumulate) at ~17,350 (H4 demand nested to D1, M1).
Invalidation: Breakout below 16,334 (distal).

Sell at ~19,341-20,000 (4H Supply nested to D1)
Invalidation: Breakout above 20,700 (distal) may cause changing in daily trend!



Note: Any shift in the current trend across the analyzed timeframes (W1,D1,H4) will invalidate this analysis and necessitate an update.

DXY Chain Analysis

Nasdaq's correlation with S&P 500 (SPX) drives cross-market setups:

Observations:

- The Nearest Daily Supply formed at 5,400–5,695 zone when the price Rejected hardly in April 2025, aligning with Nasdaq's drop.
- Daily Demand zone: 4,785–4714 not mitigated since Q1 2024. Like Nasdaq, we can see a great bounce from ~5,000 area.
- Trends: SPX is currently in a downtrend in D1 and W1, but monthly time-frame is still bullish. Closing Monthly candle in current condition will change it's trend to bullish consolidation.

Insight

- A bounce from 5,000, supports Nasdaq to ~19,500.
- Rejecting from 5,500-6,000, confirms Nasdaq's move to ~17,000 area again.

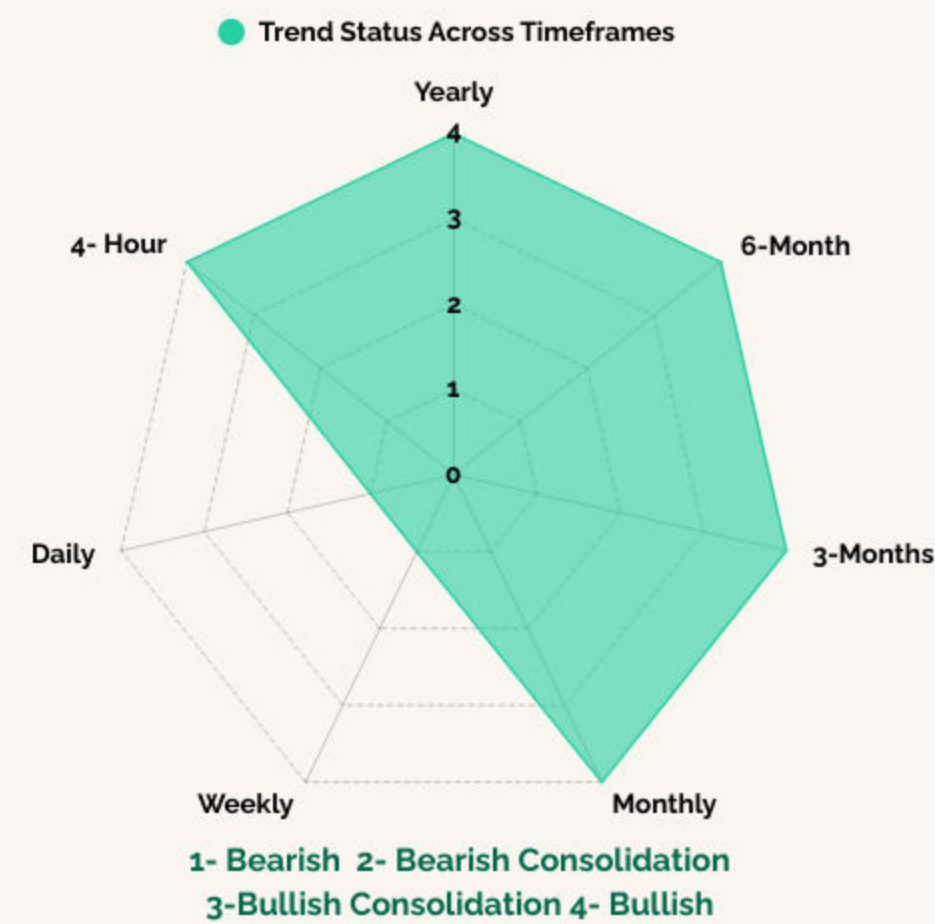


Chart 8: (D1 SPX chart: 5,500–5,695 supply, 4,785–4,714 demand.)

Conclusion

Institutional order flow favors a 17,500 D1/H4 demand for Medium/Long Term longs, with ~20,000 as a shorting pivot. Strategic Macro investors should prepare for a ~16,000-14,000 retest, targeting new all time highs if macro stabilizes. SPX's bearish momentum and mixed fundamentals (weak data, trade tensions) support a cautious approach. Monitor SPX at 5,250 and US data (e.g., NFP) for confirmation.

As we can see in the radar chart, the NASDAQ index shows a strong bullish trend in the long-term (3M to Yearly), while short- to mid-term timeframes (Weekly and Monthly) indicate correction or consolidation. This suggests the market is currently in a pullback phase within a broader uptrend. If short-term strength resumes, it may offer a buy-the-dip opportunity aligned with the larger trend.



Time Frame	Trend Status	Demand Zones	Supply Zones
Yearly	Bullish	7,701 5,836	23,000 21,000
6-Month	Bullish	13,723 10,437	23,000 21,000
3-Month	Bullish	15,945 14,056	23,000 21,000
Monthly	Bullish	16,998 16,188	20,418 22,255
Weekly	Bearish	16,816 16,188	21,602 22,255
Daily	Bearish	16,816 16,188	19,110 19,893
4-Hour	Bullish	17,330 16,334	19,341 19,893

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Thank you very much!

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