



INDEX METHODOLOGY

NASDAQ GLOBAL INNOVATIVE TECHNOLOGIES EX DISPUTABLE ACTIVITIES™ INDEX

NYGITXDP™

INDEX DESCRIPTION

The Nasdaq Global Innovative Technologies Ex Disputable Activities Index is designed to track the performance of companies that are not engaged in disputable activities but are engaged in the following themes: Artificial Intelligence, Automotive Innovation, Data Computing & Processing, Healthcare Innovation, Internet of Things and Robotics.

Nasdaq has created a theme and sub-theme classification process to review innovative technologies by analyzing millions of approved patents on a rolling 1-year basis. The index aims to select companies that may be innovative in their space based on their rolling 1-year patent data.

SECURITY ELIGIBILITY CRITERIA

To qualify for index inclusion, securities must meet the following Security Eligibility Criteria, which are applied as of the Reconstitution reference date, unless stated otherwise.

Security universe

A security must be included in the Nasdaq Global Disruptive Technology Benchmark™ Index (NYDTB™) as of the Reconstitution effective date. Please refer to NYDTB's methodology for further information on its constituent selection.

Eligible security types

Security types generally eligible are dictated by the parent index (NYDTB).

Eligible exchanges

A security must be listed on an eligible exchange. A complete list of eligible exchanges can be found in Appendix A (excludes China A shares).

Market capitalization eligibility

A security's issuer must have a market capitalization of at least \$500 million (USD).

Liquidity eligibility

A security must have a three-month average daily value traded (ADVT) of at least \$5 million (USD).

ESG eligibility

As determined by ISS ESG, companies are eligible if they derive less than 5% of their revenue on the following activities:

- Alcohol = Alcohol
- Armament = Military equipment
- Gambling = Gambling
- Nuclear = Nuclear Power (which covers the full value chain for nuclear power)
- Sex Industry = Pornography
- Tobacco = Tobacco
- Weapon = Cluster Munitions, Anti-Personal Mines, Depleted Uranium Arms and Armor, Nuclear Weapons, Biological Weapons, Chemical Weapons

The source of this information is Institutional Shareholder Services.

Other eligibility criteria

If, at reconstitution, Nasdaq becomes aware that an issuer or security will soon undergo a fundamental change that makes it ineligible, Nasdaq will remove the security from consideration. This includes entering into a definitive merger or acquisition agreement or other pending arrangement that would make it ineligible for Index inclusion, or a filing of bankruptcy or similar protection from creditors, or other events as described in Section 3 of **Corporate Actions and Events Manual – Equities**.

CONSTITUENT SELECTION

Constituent selection process

A Reconstitution is conducted quarterly based on the Reconstitution reference date.

Securities meeting all applicable Security Eligibility Criteria are considered for inclusion in the Index.

Companies with eligible securities are matched with Nasdaq Pure and Contribution Scores for each sub-theme for the index (sub- themes are listed in Appendix B).

- Pure Score – The extent to which a company is involved in a particular theme relative to all other themes that it is involved in.
- Contribution Score – The extent to which a company is involved in a particular theme relative to other companies involved in that theme.

Eligible securities are selected using the following steps.

- Securities must have a Pure and Contribution Score for the sub-themes listed in Appendix B.
- Securities must be in the top 25% of Pure and Contribution Scores within each market size segment and sub-theme.
- The top 100 securities by market capitalization that make it through this screening process are selected to be in the final basket.

CONSTITUENT WEIGHTING

Constituent weighting scheme

The Index is a modified issuer market capitalization-weighted index.

Constituent weighting process

A Rebalance is conducted quarterly based on the Rebalance reference date.

Index Securities' initial weights are determined by dividing each Index Security issuer's market capitalization by the aggregate market capitalization of all Index Security issuers.

Initial weights are then adjusted to meet the following constraint:

- No Index Security weight may be below 0.25%.

For additional information about index weighting, see **Nasdaq Standard Index Weight Adjustment Guidelines**.

INDEX CALENDAR

Reconstitution & Rebalancing schedule

| | |
|--|---|
| Reconstitution Frequency | Quarterly |
| Rebalance Frequency | Quarterly |
| Reconstitution Reference Dates | Last trading day in November, February, May and August, respectively |
| Reconstitution Announcement Dates | After the close on the sixth trading day prior to the Reconstitution effective date |
| Reconstitution Effective Dates | At market open on the first trading day following the third Friday of January, April, July and October, respectively |
| Rebalance Reference Dates | Last trading day in November, February, May, and August, respectively, except for the Last Sale Price (LSP), which is as of the last trading day in |

| | |
|-------------------------------------|--|
| | December, March, June, and September, respectively |
| Rebalance Announcement Dates | After the close on the sixth trading day prior to the Rebalance effective date |
| Rebalance Effective Dates | At market open on the first trading day following the third Friday of January, April, July and October, respectively |

Holiday schedule

The Index is calculated Monday through Friday and does not close for holidays, as it is a Global Index.

Index calculation and dissemination schedule

The index is calculated starting by the earliest time zone (Asia/Tokyo) and closes by the latest time zone (America/New York).

INDEX MAINTENANCE

Deletion policy

If, at any time, Nasdaq determines that an Index Security has or will become ineligible for continued inclusion in the Index due to bankruptcy, delisting, or a definitive agreement that would likely result in the security no longer being Index eligible, the security is removed from the Index as soon as practicable and is not replaced. Ordinarily, a security will be removed from the Index at its Last Sale Price. If, however, at the time of its removal the Index Security is halted from trading on its primary listing market and an official closing price cannot readily be determined, the Index Security may, in Nasdaq’s discretion, be removed at a zero price. The zero price will be applied to the Index Security after the close of the market but prior to the time the official closing value of the Index is disseminated, which is ordinarily 17:16:00 ET.

Corporate actions

In the periods between scheduled index reconstitution and rebalancing events, individual Index securities may be the subject to a variety of corporate actions and events that require maintenance and adjustments to the Index. Specific treatment of each type of corporate action or event is described in **Nasdaq Corporate Actions and Events Manual – Equities**, which is incorporated herein by reference.

In certain cases, corporate actions and events are handled according to the weighting scheme or other index construction techniques employed. Wherever alternate methods are described, the Index will follow the “Non-Market Cap Corporate Action Method.”

Index share adjustments

Index Share changes are not made outside of the selection/weighting process; however, changes arising from stock dividends and stock splits are made to the Index on the evening prior to the effective date of such corporate actions. In the case of certain spin-offs or rights issuances, the price of the Index Security is adjusted.

ADDITIONAL INFORMATION

Announcements

Nasdaq announces Index-related information via the Nasdaq Global Index Watch (GIW) website at <http://indexes.nasdaqomx.com>.

For more information on the general Index Announcement procedures, please refer to the **Nasdaq Index Methodology Guide**.

Unexpected market closures

For information on Unexpected Market Closures, please refer to the **Nasdaq Index Methodology Guide**.

Calculation types

For information on the Index calculation types as well as the mathematical approach used to calculate the Index(es), please refer to the **Calculation Manual – Equities & Commodities**.

Recalculation and restatement policy

For information on the Recalculation and Restatement Policy, please refer to the **Nasdaq Index Recalculation Policy**.

Data sources

For information on data sources, please refer to the **Nasdaq Index Methodology Guide**.

Contact information

For any questions regarding an Index, please contact the Nasdaq Index Client Services team at indexservices@nasdaq.com.

Index dissemination

Index values and weightings information are available through Nasdaq Global Index Watch (GIW) website at <https://indexes.nasdaqomx.com/> as well as the Nasdaq Global Index FlexFile Delivery Service

(GIFFD) and Global Index Dissemination Services (GIDS). Similar to the GIDS offerings, Genium Consolidated Feed (GCF) provides real-time Index values and weightings for the Nordic Indexes.

For more detailed information regarding Index Dissemination, see the **Nasdaq Index Methodology Guide**.

Website

For further information, please refer to Nasdaq GIW website at <https://indexes.nasdaqomx.com/>.

FTP and dissemination service

Index values and weightings are available via FTP on the Nasdaq Global Indexes FlexFile Delivery Service (GIFFD). Index values are available via Nasdaq's Global Index Dissemination Services (GIDS).

GOVERNANCE

All Nasdaq Indexes are managed by the governance committee structure and have transparent governance, oversight, and accountability procedures for the Index determination process. For further details on the Index Methodology and Governance overlay, refer to the **Nasdaq Index Methodology Guide**.

GLOSSARY OF TERMS AS USED IN THIS DOCUMENT

For the glossary of key terms, please refer to the **Nasdaq Index Methodology Guide**.

APPENDIX A: ELIGIBLE EXCHANGES

| Country | ISO Country Code | Exchange Name |
|-----------|------------------|---------------------------------|
| AUSTRALIA | AU | ASX - ALL MARKETS |
| AUSTRIA | AT | WIENER BOERSE AG |
| BELGIUM | BE | EURONEXT - EURONEXT BRUSSELS |
| BRAZIL | BR | BOVESPA S.A. - BOLSA DE VALORES |
| CANADA | CA | TORONTO STOCK EXCHANGE |
| CHILE | CL | SANTIAGO STOCK EXCHANGE |
| CHINA | CN | SHANGHAI STOCK EXCHANGE |
| CHINA | CN | SHENZHEN STOCK EXCHANGE |

| Country | ISO Country Code | Exchange Name |
|----------------|------------------|-----------------------------------|
| COLOMBIA | CO | BOLSA DE VALORES DE COLOMBIA |
| CZECH REPUBLIC | CZ | PRAGUE STOCK EXCHANGE |
| DENMARK | DK | NASDAQ COPENHAGEN A/S |
| FINLAND | FI | NASDAQ HELSINKI LTD |
| FRANCE | FR | EURONEXT - EURONEXT PARIS |
| GERMANY | DE | DEUTSCHE BOERSE AG |
| GERMANY | DE | XETRA |
| GREECE | GR | ATHENS STOCK EXCHANGE |
| HONG KONG | HK | HONG KONG EXCHANGE |
| HUNGARY | HU | BUDAPEST STOCK EXCHANGE |
| INDONESIA | ID | INDONESIA STOCK EXCHANGE |
| IRELAND | IE | IRISH STOCK EXCHANGE - ALL MARKET |
| ISRAEL | IL | TEL AVIV STOCK EXCHANGE |
| ITALY | IT | BORSA ITALIANA S.P.A. |
| JAPAN | JP | JAPAN EXCHANGE GROUP |
| KOREA | KR | KOREA EXCHANGE (STOCK MARKET) |
| MALAYSIA | MY | BURSA MALAYSIA |
| MEXICO | MX | BOLSA MEXICANA DE VALORES |
| MOROCCO | MA | CASABLANCA STOCK EXCHANGE |
| NETHERLANDS | NL | EURONEXT - EURONEXT AMSTERDAM |
| NEW ZEALAND | NZ | NEW ZEALAND EXCHANGE LTD |
| NORWAY | NO | OSLO BORS ASA |
| PERU | PE | BOLSA DE VALORES DE LIMA |
| PHILIPPINES | PH | PHILIPPINE STOCK EXCHANGE, INC. |
| POLAND | PL | WARSAW STOCK EXCHANGE |
| PORTUGAL | PT | EURONEXT - EURONEXT LISBON |

| Country | ISO Country Code | Exchange Name |
|----------------|------------------|-----------------------------------|
| SINGAPORE | SG | SINGAPORE EXCHANGE |
| SOUTH AFRICA | ZA | JOHANNESBURG STOCK EXCHANGE |
| SPAIN | ES | BME - BOLSAS Y MERCADOS ESPANOLES |
| SWEDEN | SE | NASDAQ STOCKHOLM AB |
| SWITZERLAND | CH | SIX SWISS EXCHANGE |
| TAIWAN | TW | TAIWAN STOCK EXCHANGE |
| THAILAND | TH | STOCK EXCHANGE OF THAILAND |
| TURKEY | TR | BORSA ISTANBUL |
| UNITED KINGDOM | GB | LONDON STOCK EXCHANGE |
| UNITED STATES | US | CBOE GLOBAL MARKETS |
| UNITED STATES | US | NASDAQ - ALL MARKETS |
| UNITED STATES | US | NEW YORK STOCK EXCHANGE |

APPENDIX B: NASDAQ THEMES AND SUB-THEMES

| # | Theme | Sub-Theme |
|----|-----------------------------|-------------------------------|
| 1 | Artificial Intelligence | Deep Learning |
| 2 | Artificial Intelligence | Image Recognition |
| 3 | Artificial Intelligence | NLP |
| 4 | Artificial Intelligence | Speech Recognition & Chatbots |
| 5 | Automotive Innovation | Autonomous Vehicles |
| 6 | Automotive Innovation | Electric Vehicles |
| 7 | Automotive Innovation | Hybrid Vehicles |
| 8 | Data Computing & Processing | 3D Graphics |
| 9 | Data Computing & Processing | Big Data |
| 10 | Data Computing & Processing | Blockchain |
| 11 | Data Computing & Processing | Cloud Computing |

| # | Theme | Sub-Theme |
|----|-----------------------------|------------------------------|
| 12 | Data Computing & Processing | Cyber Security |
| 13 | Data Computing & Processing | Quantum Information & Optics |
| 14 | Data Computing & Processing | Virtual Reality & AR |
| 15 | Healthcare Innovation | Bioinformatics |
| 16 | Healthcare Innovation | Human Augmentation |
| 17 | Healthcare Innovation | Robotic Surgery |
| 18 | Internet of Things | Digital Currency |
| 19 | Internet of Things | Internet of Things |
| 20 | Internet of Things | Mobile Payments |
| 21 | Internet of Things | Wearable Technology |
| 22 | Robotics | 3D Printing |
| 23 | Robotics | Drones |
| 24 | Robotics | Nanorobotics |
| 25 | Robotics | Spacecraft & Satellites |

APPENDIX C: METHODOLOGY CHANGE LOG

| Effective Date | Methodology Section | Previous | Updated |
|----------------|--|--|--|
| 9/23/2024 | Appendix A: Eligible exchanges | The Egyptian exchange is an eligible exchange. | The Egyptian exchange has been removed along with its change in designation in NQGI. |
| 7/24/2023 | Index name | -- | The Index name is changed from Nasdaq Yewno Global Innovative Technologies Ex Disputable Activities Index to Nasdaq Global Innovative Technologies Ex Disputable Activities Index. |
| 7/24/2023 | Index description | -- | The index description is changed to reflect the replacement of Yewno. Inc. (Yewno) with Nasdaq, Inc. (Nasdaq) as the developer of the theme and sub-theme classification process. |
| 7/24/2023 | Security eligibility criteria: Security universe | -- | The parent Index name is changed from Nasdaq Yewno Global Disruptive Technology Benchmark Index to Nasdaq Global Disruptive Technology Benchmark Index. |
| 7/24/2023 | Constituent selection: Constituent selection process | -- | The constituent selection process is changed to reflect the replacement of Yewno with Nasdaq as the calculator of the scores used in selecting Index securities. |
| 7/24/2023 | Appendix B: Nasdaq themes and sub-themes | -- | Appendix B (“Nasdaq themes and sub-themes”) is changed to reflect the replacement of Yewno with Nasdaq as the provider of eligible themes and sub-themes. |
| 3/9/2022 | Appendix A: Eligible exchanges | -- | The Moscow Exchange is removed as an eligible exchange. |

DISCLAIMER

Nasdaq may, from time to time, exercise reasonable discretion as it deems appropriate in order to ensure Index integrity, including but not limited to, quantitative inclusion criteria. Nasdaq may also, due to special circumstances, if deemed essential, apply discretionary adjustments to ensure and maintain the high quality of the index construction and calculation. Additionally, Nasdaq utilizes an AI Model trained on a diverse range of data as part of the constituent selection process. While efforts have been made in-line with industry practices to ensure the quality and reliability of the content, there may be limitations, inaccuracies, or biases present. Nasdaq does not guarantee that any Index accurately reflects future market performance. Neither Nasdaq, Inc., its third-party providers, nor any of their respective affiliates (collectively “Corporations”) make any recommendation to buy or sell any security or any representation about the financial condition of any company. Investors should undertake their own due diligence and carefully evaluate companies before investing. The information contained herein is provided for informational and educational purposes only, and nothing contained herein should be construed as investment advice, either on behalf of a particular security or an overall investment strategy. **ADVICE FROM A SECURITIES PROFESSIONAL IS STRONGLY ADVISED.**