

INDEX GUIDE

MarketVector™ US Listed Office and Commercial REITs Index

Version 1.00 | 05.2024

CONTENTS

Contents

1	Index Description	3
1.1	Index Universe	3
1.1.1	Pure-Play/Thematic Screening	3
1.1.2	Exclusion Criteria	3
1.1.3	Exchange Eligibility	3
1.2	Investable Universe	4
1.2.1	Market Capitalization and Liquidity Criteria	4
1.2.2	Initial Public Offerings, Special Purpose Acquisition Companies, and Spin-Offs	4
1.3	Eligible Universe	5
1.3.1	Share Class	5
1.3.2	Pricing Source	5
2	Index Review	6
2.1	Review Schedule	6
2.2	Selection Procedure	6
2.3	Weighting Scheme	7
3	Index Dissemination and Identifiers	9
4	General Definition	10
4.1	Free-Float	10
4.2	Index Types/Dividend Payments	10
5	Ongoing Maintenance	11
5.1	Changes to Free-Float Factors and Number of Shares	11
5.2	Changes due to Mergers & Takeovers	11
5.3	Changes due to Spin-Offs	11
5.4	Additions due to Replacements	12
5.5	Changes to the Index Guide	12
5.6	Discretion regarding the Use of Input Data	12
5.7	Input Data and Contributor Selection	13
6	Calculation	15
6.1	Index Formula	15
6.2	Input Data	15
6.3	Divisor Adjustments	15
6.4	Corporate Action Related Adjustments	16
6.5	Data Correction and Disruptions	17
7	Appendix	19
7.1	Changes to the Index Guide	19
8	Disclaimer	20

Regulation and Disclosures

Regulation

In accordance with Art. 13 No. 1 (a) of Regulation (EU) 2016/1011 of the European Parliament and of the Council of 8 June 2016 (the “Benchmark Regulation”), this document provides the rules for establishing, calculating and maintaining the MarketVector™ Equity Index family, which is comprised of MVIS®, MarketVector™ and BlueStar® Indexes (together the “Indexes”).

MarketVector Indexes GmbH (the “Index Owner”) makes no warranties or representations as to the accuracy and/or completeness of the Indexes and does not guarantee the results obtained by persons using the Indexes in connection with trading funds or securities. The Index Owner makes no representations regarding the advisability of investing in any fund or security.

The Index Owner reserves the right to update the rules in this Index Guide at any time. The Index Owner also reserves the right to make, in exceptional cases or in temporary situations, exceptions to the rules in this Index Guide. The Indexes are the property of MarketVector Indexes GmbH. The Index Owner has selected an index calculator to calculate the Indexes.

MVIS® and BlueStar® are registered trademarks of Van Eck Associates Corporation and therefore protected globally against unlawful usage. The use of Indexes from the MarketVector Index family in connection with any financial products or for benchmarking purposes requires a license. Please contact MarketVector Indexes GmbH for more details.

For all indexes composed of data of BM&FBOVESPA please reference to the document “Terms and Conditions BM&FBOVESPA” available on <http://www.solactive.com>.

Approval of Index Methodologies

The Index Owner has established the Indexes and their individual methodology covered in this Index Guide. A detailed written “Procedure for Index Development” describes the steps and approvals required to develop, document and approve an Index and its methodology. The intention of the Procedure for Index Development is to ensure that the methodology of an Index meets the requirements of Art. 12 of the Benchmark Regulation and is approved and implemented according to a robust and reliable process. The methodology for each index and its methodology covered in this Index Guide has been analysed by the Index Owner’s Index Operations department in order to ensure that it is robust and reliable, has clear rules on use of discretion, allows sustainable validation (based on reasonable back testing) and is traceable and verifiable. Furthermore, the size, liquidity and transparency of the underlying market for each methodology has been tested and particular circumstances for each relevant market have been taken into account.

Each index methodology and the related detailed analysis was presented by the Index Operations Department to the Independent Oversight Function for its approval. Based on the aforementioned approval process and its documentation each Index Methodology was presented to the Management Board (Geschäftsführer) of the Index Owner for final approval.

Review of this Index Guide

According to Art. 13 No. 1 (b) of the Benchmark Regulation, the Index Owner reviews this Index Guide on an annual basis and immediately in case of special circumstances that require a review. The review takes place in meetings attended by the Independent Oversight Function and the Management Board of the Index Owner. If changes to this Index Guide are considered necessary, the process described in Section 5.5 applies.

1 Index Description

The MarketVector™ US Listed Office and Commercial REITs Index is a thematic index tracking the performance of US-listed REITs that primarily invest in the office, industrial, or retail real estate segment.

1.1 Index Universe

1.1.1 Pure-Play/Thematic Screening

The index only includes companies with at least 50% (25% for current components) of their revenues from the following activities and are categorized into the following "tiers" which are referred to in sections 2.2 and 2.3:

- Office REITs (excluding medical and life science offices) or
- Other commercial REITs (including industrial or retail real estate)

1.1.2 Exclusion Criteria

The index universe will include only common securities and securities with similar characteristics from financial markets that are freely investable for foreign investors and that provide real-time and historical component and currency pricing, excluding:

- Limited Partnerships (LPs).

1.1.3 Exchange Eligibility

Securities must be listed on a US exchange to qualify for the index universe.

1 INDEX DESCRIPTION

1.2 Investable Universe

1.2.1 Market Capitalization and Liquidity Criteria

Securities must meet the following size and liquidity requirements to be included in the investable universe. If composite country volume data exists, it will be used to identify the investable universe.

All of the following applies for securities that are currently not included in the index:

- free-float of at least 10%,
- full market capitalization exceeding 500.00 million USD,
- a three-month average daily trading volume of at least 1.00 million USD at the current quarter and at the previous two quarters, and
- at least 0.25 million shares traded per month over the last six months at the current quarter and at the previous two quarters.

All of the following applies for securities already in the index:

- free-float of at least 5%,
- a full market capitalization exceeding 250.00 million USD, and
- a three-month average daily trading volume of at least 0.20 million USD in at least two of the latest three quarters (current quarter and at the previous two quarters).

In addition, at least one of the following applies for securities already in the index:

- a three-month average daily trading volume of at least 0.60 million USD at the current quarter or at one of the previous two quarters, or
- at least 0.20 million shares traded per month over the last six months at the current quarter or at one of the previous two quarters.

1.2.2 Initial Public Offerings, Special Purpose Acquisition Companies, and Spin-Offs

Modified investability rules are applied for recent Initial Public Offerings (IPOs), spin-offs and post-merger/acquisition Special Purpose Acquisition Companies (SPACs). Such companies qualify for fast-track addition to the investable universe once; either at the next regularly scheduled review if it has been trading since at least the last trading day of the month two months prior to the review month or else at the following regularly scheduled review. In order to be added to the index the IPO security has to meet all of the following size and liquidity requirements:

- the IPO must have a full market capitalization exceeding 500.00 million USD,
- the IPO must have a free-float factor of at least 10%,
- the IPO must have an average daily trading volume of at least 1.00 million USD, and
- the IPO must have traded at least 0.25 million shares per month (or per 22 days).

This rule is applicable for newly spun-off companies and post-merger/acquisition SPACs (using the merger/acquisition date like an IPO date) as well.

1.3 Eligible Universe

1.3.1 Share Class

One share class of each company in the investable universe is included in the eligible universe. In case more than one share class fulfills the above specified market capitalization and liquidity rules, only the largest share class by free-float market capitalization qualifies for the eligible universe. In exceptional cases (e.g. significantly higher liquidity), the Index Owner can decide for a different share class.

In case the free-float market capitalization of a currently not included share class of an index component

- exceeds the free-float market capitalization of the currently selected share class by at least 25%, and
- fulfills all market capitalization and liquidity eligibility criteria for non-components

the currently selected share class will be replaced by the larger one.

In exceptional cases (e.g. significantly higher liquidity), the Index Owner can decide to keep the current share class instead.

1.3.2 Pricing Source

For each company in the investable universe one US pricing source qualifies for the eligible universe.

Once a company has qualified for the investable universe, only the most liquid single exchange price source within the country qualifies for the eligible universe.

In exceptional cases, the Index Owner can assign alternative pricing sources.

2 Index Review

2.1 Review Schedule

Components of the index are reconstituted on a semi-annual basis in March and September and are rebalanced on a quarterly basis in March, June, September, and December according to the following schedule:

1. The eligible universe and component selection is determined based on the closing data on the last business day in February and August. If a security does not trade on the last business day in February or August, the last available price for this security will be used.
2. Component weights are determined based on closing data as of the Wednesday prior to the second Friday of March, June, September, and December. If a security does not trade on the Wednesday prior to the second Friday of March, June, September, and December, the last available closing data for this security will be used.
3. The underlying review and rebalance data (i.e. weights, shares outstanding, free-float factors, and new weighting cap factors) is announced on the second Friday of March, June, September, and December.
4. Changes will be implemented and based on the closing prices as of the third Friday of March, June, September, and December. If the third Friday is not a business day, the review will take place on the last business day before the third Friday. If a security does not trade on the third Friday of March, June, September, and December, then the last available price for this security will be used. Changes become effective on the next index dissemination day.

2.2 Selection Procedure

Upon an index reconstitution, securities included in the eligible universe are selected to the index based on the following procedure. The index targets a coverage of 25 components.

1. The 50 largest Office REITs (by full market capitalization) from the eligible universe qualify. If there are fewer than 50 such securities, then only the number of such securities in the eligible universe will qualify. If there are fewer than 15 eligible Office REITs, additional Office REITs are added by the Index Owner's decision until the number of securities equals 15.
2. If fewer than 50 Office REITs qualify in the step above, the next largest security in the eligible universe of Other commercial REITs will qualify until a total of 50 securities (inclusive of those identified in the previous step) qualify.
3. The 50 securities are ranked in two ways: (1) by free-float market capitalization in descending order where the largest security receives a rank of "1" and; (2) by three-month average daily-trading volume in descending order where the most liquid security receives a rank of "1". The ranks for each security are added together.
4. The securities are ranked within each category - Office REITs and Other commercial REITs - by the sum of their two ranks in step 2 in ascending order. If two securities have the same sum of ranks, then the larger security is placed on top.
 - (a) Initially, the highest ranked 25 Office REITs made up the index. If fewer than 25 Office REITs qualified in the step above, then all qualifying Office REITs were included and the highest ranking Other commercial REITs were included until a total of 25 security were included.

2 INDEX REVIEW

- (b) On-going, a 10-40 buffer is applied: The highest ranked 10 Office REITs qualify. The remaining 15 securities are selected from the highest ranked remaining current Office REIT index components ranked between 11 and 40. If the number of selected securities is still below 25, then the highest ranked remaining Office REITs are selected until a total of 25 components have been selected.
- (c) If fewer than 25 securities have been selected then the three highest ranking Other commercial REITs are selected until a total of 25 securities have been selected to the index. If fewer than 25 securities have been selected to the index, the remaining number of securities required to reach a total of 25 are selected from the highest ranking remaining current Other commercial REIT index components ranked between 4 and 10. If the number of selected securities is still below 25, then the highest ranked remaining Other commercial REITs are selected until a total of 25 components have been selected to the index.

2.3 Weighting Scheme

Upon an index rebalance, components selected to the index will be weighted according to a tiered modified float-adjusted market cap weighting strategy as follows:

- The maximum security weight is:
 - 10% : Office REITs
 - 4% : Other commercial REITs
- The minimum weight of tier "Office REITs" is 80% and the maximum weight of the tier "Other commercial REITs" is 20%.
- Components are weighted in proportion to their free-float adjusted market capitalization.
- If the aggregate weight of components in any tier is greater/less than the maximum/minimum tier weight, the weight of components in that tier will be reduced/increased in proportion to their free-float adjusted market capitalization so that the aggregate weight of components in that tier is equal to the tiers' maximum/minimum weight. The excess weight is redistributed proportionally among remaining tiers and this process is repeated until the aggregate weight of all tier weights equals 100% and no tier weight violates its maximum/minimum tier weight.
- If a security's weight exceeds the maximum weight, the weight will be reduced to the maximum weight and the excess weight will be redistributed among uncapped and components on a pro-rata basis within the security's respective tier. This process is repeated until the sum of all components' weights is equal to 100% and no component's weight exceeds the maximum security weight.

The nominal value used in the liquidity overlay may be adjusted downward to allow the aggregate weight of all index components to equal to 100% while satisfying all other capping scheme constraints.

If the aggregate weight of components with a weight greater than or equal to 5% exceeds 50% the following procedure is implemented:

- The weight of the smallest component, by float-adjusted market capitalization, with a weight of 5% or more and all other components with a weight between than 4.5% and 5%, will be reduced to 4.5%.
- The remaining weight will be redistributed among all remaining components with a weight less than 4.5%, such that the aggregate tier weights do not change, on a pro-rata basis.

2 INDEX REVIEW

- This procedure is repeated until the aggregate weight of components with a weight of 5% or more is less than or equal to 50%.

3 INDEX DISSEMINATION AND IDENTIFIERS

3 Index Dissemination and Identifiers

This index is calculated on weekdays between 01:00 and 22:40 (CET) and index values are disseminated to data vendors every 15 seconds on days when the US equity market is open for trading.

The index is disseminated in USD.

Real-time index values are calculated with the midpoint between the latest available real-time bid- and ask-prices. The closing values for this index are calculated at 22:40:00 CET with fixed 16:00 London time exchange rates from WM company.

The MarketVector™ US Listed Office and Commercial REITs Index is calculated as a price return index, a total return net index and a total return gross index and has the following identifiers:

Index Type	ISIN	SEDOL	WKN	Bloomberg	Reuters
Price Return Index	DE000SLOJT28	BLPNPM7	SLOJT2	MVORT	.MVORT
Total Return Net Index	DE000SLOJT36	BLPNPP0	SLOJT3	MVORTTR	.MVORTTR
Total Return Gross Index	DE000SLOJUS5	BMH6RV4	SLOJUS	MVORTTRG	.MVORTTRG

The price return version was launched on August 23, 2023 with a base index value of 1000.00 as of December 31, 2017, the total return net version was launched on August 23, 2023 with a base index value of 1000.00 as of December 31, 2017 and the total return gross version was launched on August 29, 2023 with a base index value of 1000.00 as of December 31, 2017.

4 General Definition

4.1 Free-Float

The indexes are free-float adjusted - the number of shares outstanding is reduced to exclude closely held shares (amount larger than 5% of the company's full market capitalization) from the index calculation.

At times, other adjustments are made to the share count to reflect foreign ownership limits or sanctions. These are combined with the block-ownership adjustments into a single factor. To avoid unwanted double counting, either the block-ownership adjustment or the restricted stocks adjustment is applied, whichever produces the higher result.

Free-float factors are reviewed quarterly.

4.2 Index Types/Dividend Payments

The total return index includes all dividend payments (for the total return net indexes on a net-dividend basis, i.e., net dividend equals declared dividend less withholding tax, and for the total return gross indexes on a gross-dividend basis, i.e., gross dividend equals declared dividend) and the price return index only includes special dividends from non-operating income or cash dividends that are either declared as special or extraordinary, or do not coincide with the company's regular dividend distribution schedule.

Australian companies may pay dividends with or without franking credits (unfranked, partially franked or fully franked) attached. Withholding tax will only be applied on the unfranked portion of the dividend but not on the franked portion of the dividend or unfranked portion of the dividend declared to be conduit foreign income.

For the most recent list of withholding taxes, please refer to our website (www.marketvector.com/withholding-taxes).

If the dividend amount for an index component is not available on the ex-date, an amount of zero will be applied. If for the same index component the dividend amount is available after the ex-date and applied to the price of this company, there will still be no adjustment to the index on this day either.

For dividends of Japanese and South Korean companies a post ex-date dividend adjustment is in place due to fact that they do not confirm their dividends prior to the ex-date. The delta amount between the confirmed and estimated dividend amount will be applied by using the index dividend points calculated with the number of shares on the dividend ex-date. In regards to the post ex-date dividend adjustment the historical index levels are not restated.

5 Ongoing Maintenance

5.1 Changes to Free-Float Factors and Number of Shares

Changes to the number of shares or the free-float factors due to corporate actions like stock dividends, splits, rights issues, spin-offs etc. are implemented on the ex-date.

Any secondary issuance, share repurchase, buy back, tender offer, Dutch auction, exchange offer, bought deal equity offering or prospectus offering will be updated at the quarterly review if the change is smaller than 10%. Changes larger than 10% will be pre-announced (three trading days notice) and implemented on the first dissemination day of the following month (on a best effort basis). If necessary and information is available, resulting float changes will be taken into consideration.

Share changes that result from M&As will impact all indexes of the MarketVector™ Equity Index family (excluding the MarketVector™ Total Global Equity Index) that contain affected companies on the merger effective date with no weighting cap factor change; the 10% share change restriction is removed.

5.2 Changes due to Mergers & Takeovers

A merger or takeover is deemed successful if it has been declared wholly unconditional and has received approval of all regulatory agencies with jurisdiction over the transaction. The result of a merger or takeover is typically one surviving security and one or more non-surviving securities that may not necessarily be delisted from the respective trading system(s).

The following treatments are applied for mergers and takeovers containing stock terms:

- If an index component merges with or takes over another index component:
 - The surviving security remains in the index and the other security is deleted immediately from the index. Its shares and float are adjusted according to the terms of the merger/takeover. The index market capitalization of the merged company corresponds to the market capitalization of the two separate companies.
- If a non-index component merges with or takes over an index component:
 - If the surviving security meets the eligible index universe requirements, it will be added to the index. Its shares and float will be adjusted according to the terms of the merger/takeover and will replace the current index component.
 - If the surviving security does not meet the eligible index universe requirements, it will not be added to the index and the current index component will be deleted immediately from the index.

The following treatments are applied for mergers and takeovers with cash terms only:

- If a non-index component merges with or takes over an index component:
 - The index component will be deleted.

5.3 Changes due to Spin-Offs

The spun-off company will be added to the index where the parent company is an index constituent according to the transaction terms, with a price of zero, on the ex-date. If the spun-off does not start trading on the ex-date a fixed indicative price will be used until the first trading day. If an indicative price

5 ONGOING MAINTENANCE

is not possible to be calculated the spun-off company will be added with a price of zero to the index. If the spun-off does not qualify for the index it will be deleted after two trading days based on its respective closing price.

5.4 Additions due to Replacements

On an ongoing basis, for all corporate events that result in a security deletion from the index, the deleted security will be replaced with the highest ranked non-component with at least 50% of its revenue from the office sector on the most recent selection list immediately only if the number of components in the index would drop below 20. The replacement security will be added at the same weight as the deleted security (if no additional such companies were included in the most recent select list, the highest ranked non-component with less than 50% of its revenue from the office sector will be added). Only in case the number of components drops below its minimum due to a merger of two or more index components, the replacement security will be added with its uncapped free-float market capitalization weight.

In all other cases, i.e. there is no replacement. The additional weight resulting from the deletion will be redistributed proportionally across all other index constituents.

In case the number of index components drops below the minimum component number and no non-component security is eligible as a replacement, the determination of the addition is subject to the Index Owner's decision.

5.5 Changes to the Index Guide

Any changes to the Index Guide will be reviewed and approved by the Legal and Compliance Department. Legal and Compliance may also request a conclusive description and further information on any change and may consult the operations department on such changes. The key elements to be analyzed in this phase of the change process are robustness, transparency, reliability and integrity. The result of the review will be communicated to the operations department. The email will be archived by the operations department.

In case of changes that might immediately change the composition of an index or must be considered material for any other reason also need to be approved by the Independent Oversight Function ("IOF") prior to their publication and implementation.

In case of material changes an advance notice will be published and provided to users. MarketVector Indexes will generally disseminate a notification related to an Index Guide change 30 days prior to the change. A shorter period of time may be applied at MarketVector Indexes' discretion if the relevant index has not been licensed for a financial product to a third party. The notice will describe a clear time frame that gives the opportunity to analyze and comment upon the impact of such proposed material change. Any material comments received in relation to the Index Guide change and MarketVector Indexes' response to those comments will be made publicly accessible after any consultation, except where confidentiality has been requested by the originator of the comments.

5.6 Discretion regarding the Use of Input Data

Pursuant to Art. 12 No.1. (b), MarketVector Indexes has established the following rules identifying how and when discretion may be exercised in the administration of an index.

In case input data are or appear to be qualitatively inferior or different sources provide different data, an extraordinary event, or a situation is not covered by the index rules, MarketVector Indexes may use or

5 ONGOING MAINTENANCE

change data/index composition at its own discretion according to the following discretion policy after a plausibility check. Regarding input data, this may include:

- Liquidity and size data,
- Ownership structures,
- Revenue and asset breakdowns,
- Corporate action information,
- Dividends, volatility and other secondary data.

Regarding extraordinary events, this may include:

- Trading stops,
- Regulatory actions,
- Detection of fraud,
- Tradability,
- Etc.

Any changes must be subject to reasonable discretion. The decision on any change must be required, appropriate, commensurate and in line with the respective index scope and objective and must reasonably consider in a balanced way the interest of Users, investors in related products and the integrity of the market.

Index operations ensure consistency in the use of discretion in its judgment and decision. Employees involved in the operations team must have shown the respective experience and skills. Significant decisions are subject to sign-off by a supervisor. In case of material changes to data the relevant situation will be analyzed in detail, described and presented to the IOF and discussed and reviewed with the IOF.

The broad range of possible data quality problems does not allow to define specific steps for each possible instance. MarketVector Indexes will always weight the different interests of the index users, the integrity of the market and other involved parties and determine the least disadvantageous measure that equally considers the relevant interests best.

In order to avoid individual decisions on the use of data in similar cases for the future an update of the index rules can be taken into consideration if applicable. Other possible mitigation measures are the change of input data sources or providers and/or own data research where possible and reasonable.

Records are kept about material judgment or discretion by MarketVector Indexes and will include the reasoning for said judgment or discretion.

5.7 Input Data and Contributor Selection

According to the input data requirements under Art. 11 of the Benchmark Regulation, the following shall apply with regard to the input data used for the management and provision of an index and the relevant input data providers (“Contributors”):

- the input data shall be sufficient to represent accurately and reliably the market or economic reality that the benchmark is intended to measure;

5 ONGOING MAINTENANCE

- the input data shall be transaction data, if available and appropriate. If transaction data is not sufficient or is not appropriate to represent accurately and reliably the market or economic reality that the index is intended to measure, input data which is not transaction data may be used, including estimated prices, quotes and committed quotes, or other values;
- the input data shall be verifiable;
- clear guidelines regarding the types of input data, the priority of use of the different types of input data and the exercise of expert judgement, to ensure compliance with the Index Guide and index methodology and the aforementioned requirements are defined in the Code of Conduct for Contributors; and
- where an index is based on input data from Contributors, MarketVector Indexes will obtain, where appropriate, the input data from a reliable and representative panel or sample of Contributors so as to ensure that the resulting index is reliable and representative of the market or economic reality that the index is intended to measure.

In order to control the quality of contributors, MarketVector Indexes will conduct the following controls:

- Evaluate market share, reputation, quality and cost of possible input data sources and providers before selecting them on the basis of the gathered information and data;
- Compare the input data of one Contributor with the input data from one or more other Contributors in order to ensure the integrity and accuracy of the input data and in case of bad quality replace a Contributor with another Contributor.

MarketVector Indexes will not use input data from a contributor if it has any indication that the Contributor does not adhere to its Code of Conduct for Contributors and in such a case shall obtain representative publicly available data.

6 CALCULATION

6 Calculation

6.1 Index Formula

The index is calculated using the Laspeyres' formula:

$$Index\ Value = \frac{\sum_{i=1}^n p_i * q_i * ff_i * cf_i * fx_i}{D} = \frac{M}{D}$$

Where (for all securities (i) in the index):

- p_i = security price,
- q_i = number of shares,
- ff_i = free-float factor,
- fx_i = exchange rate (local currency to index currency),
- cf_i = weighting cap factor (if applicable, otherwise set to 1),
- M = free-float market capitalization of the index,
- D = divisor.

6.2 Input Data

The following rounding procedures are used for the index calculation:

- Rounding to 2 decimal places:
 - index values,
 - free-float factors (ff_i),
- Rounding to 4 decimal places:
 - security prices (p_i),
- Rounding to 6 decimal places:
 - divisors (D),
- Rounding to 12 decimal places:
 - exchange rates (fx_i),
- Rounding to 16 decimal places:
 - company-weighting cap factors (cf_i).

6.3 Divisor Adjustments

Index maintenance - reflecting changes in shares outstanding, capital actions, addition or deletion of securities to the index - should not change the level of the index. This is accomplished with an adjustment to the divisor. Any change to the securities in the index that alters the total market value of the index while holding security prices constant will require a divisor adjustment.

$$Divisor_{new} = Divisor_{old} * \frac{\sum_{i=1}^n p_i * q_i * ff_i * cf_i * fx_i \pm \Delta MC}{\sum_{i=1}^n p_i * q_i * ff_i * cf_i * fx_i}$$

ΔMC = Difference between closing and adjusted closing market capitalization of the index.

6 CALCULATION

6.4 Corporate Action Related Adjustments

Corporate actions range widely from routine share issuances or buy backs to unusual events like spin-offs or mergers. These are listed on the table below with notes about the necessary changes and whether the divisor will be adjusted.

p_i = security price,

q_i = number of shares.

- Cash dividend (for total return indexes only) Divisor change: Yes

$$p_{(i,adjusted)} = p_i - (Dividend * (1 - Withholding Tax))$$

(In total return gross indexes the withholding tax is 0.)
- Special cash dividend (for price and total return indexes) Divisor change: Yes

$$p_{(i,adjusted)} = p_i - (Dividend * (1 - Withholding Tax))$$

(In total return gross indexes the withholding tax is 0.)
- Split Divisor change: No

Shareholders receive 'B' new shares for every 'A' share held.

$$p_{(i,adjusted)} = p_i * A/B$$

$$q_{(i,adjusted)} = q_i * B/A$$
- Rights Offering Divisor change: Yes

Shareholders receive 'B' new shares for every 'A' share held. If the subscription-price is either not available or not smaller than the closing price, no adjustment will be made.

$$p_{(i,adjusted)} = ((p_i * A) + (Subscription Price * B))/(A + B)$$

$$q_{(i,adjusted)} = q_i * (A + B)/A$$
- Stock dividend (withholding taxes are applied, if applicable) Divisor change: No

Shareholders receive 'B' new shares for every 'A' share held.

$$p_{(i,adjusted)} = p_i * A/(A + B)$$

$$q_{(i,adjusted)} = q_i * (A + B)/A$$
- Stock dividend from treasury (withholding taxes are applied, if applicable) Divisor change: Yes

Stock dividends from treasury are adjusted as ordinary (adjustments for price and total return indexes) or special (adjustments for total return indexes only) cash dividends. Shareholders receive 'B' new shares for every 'A' share held.

$$p_{(i,adjusted)} = p_i - (p_i * B)/(A + B)$$
- Stock dividend of a different company security (withholding taxes are applied, if applicable) Divisor change: No

The shares of the different company will be added according to the terms.
- Addition/Deletion of a company Divisor change: Yes

Net change in free-float market value determines the divisor adjustment.

6 CALCULATION

- Changes due to a merger/takeover Divisor change: Yes
 Net change in free-float market value determines the divisor adjustment. In case of no change, the divisor change is 0.
- Spin-offs Divisor change: No
 Shareholders receive ‘B’ new shares for every ‘A’ share held.
- Changes in shares outstanding Divisor change: Yes
 Net change in free-float market value determines the divisor adjustment. In case of no change, the divisor change is 0.

With corporate actions where cash dividends or other corporate assets are distributed to shareholders, the price of the security will drop on the ex-dividend day (the first day when a new shareholder is eligible to receive the distribution.) The effect of the divisor adjustment is to prevent this price drop from causing a corresponding drop in the Index.

Corporate actions are announced at least four days prior to implementation.

6.5 Data Correction and Disruptions

MarketVector Indexes will usually receive information about errors or disruption from calculation agent, client, internal systems (IT) or by monitoring the respective output. Incorrect or missing input data will be corrected immediately:

- The error is immediately communicated to the calculation agent, if applicable.
- Calculation agent will be asked to investigate the reason for the error.
- An email will be sent to all affected clients to inform them about the error; this includes the reason for the issue and an estimate on when the issue will be solved.
- MarketVector Indexes recalculates missing EOD data points and disseminates to vendors and clients.

In case of a material error,

- Legal and Compliance to check the relevant agreements for liability of the calculation agent.
- If MarketVector Indexes identifies any conduct that may involve manipulation or attempted manipulation of an index by calculation agent it will report this to the regulator.
- Where possible and economically reasonable MarketVector Indexes will try use another calculation agent.

Investigations and communication regarding disruptions with calculation agents will be handled by Compliance and Senior Management. They are either caused by disruptions in calculation or dissemination, which might affect different servicers.

- The disruption is immediately communicated to the calculation/dissemination agent, if applicable.
- Calculation/dissemination agent will be asked to investigate the reason for the disruption.
- An email will be sent to all affected clients to inform them about the disruption; this includes the reason for the issue and an estimate on when the issue will be solved.

6 CALCULATION

- MarketVector Indexes prompts calculation agent to make all efforts to restart index calculation.
- MarketVector Indexes prompts Dissemination agent to make all efforts to restart index dissemination.
- MarketVector Indexes recalculates missing EOD data points and disseminates to vendors and clients.
- Legal and Compliance to check the relevant agreements for liability of the calculation/dissemination agent.
- If MarketVector Indexes identifies any conduct that may involve manipulation or attempted manipulation of an index by calculation/dissemination agent it will report this to BaFin.
- Where possible and economically reasonable MarketVector Indexes will try use another calculation and/or dissemination agent.

7 Appendix

7.1 Changes to the Index Guide

This table contains all changes to the index guide after January 1, 2018 when the European Benchmark Regulation became effective.

Date	IG Version	Change
August 29, 2023	nan	Inclusion of total return gross version
May 27, 2024	1.00	Initial publication of the individual index guide and discontinuation of the MarketVector Global Equity Index Guide

8 Disclaimer

Copyright © 2024 MarketVector Indexes GmbH ('MarketVector™'). All rights reserved. The MarketVector™ family of indexes (MarketVector™, Bluestar®, MVIS®) is protected through various intellectual property rights and unfair competition and misappropriation laws. MVIS® is a registered trademark of Van Eck Associates Corporation that has been licensed to MarketVector Indexes GmbH. MarketVector™ and MarketVector Indexes™ are pending trademarks of Van Eck Associates Corporation. BlueStar®, BlueStar Indexes®, BIGI® and BIGITech® are trademarks of MarketVector Indexes GmbH. Redistribution, reproduction and/or photocopying in whole or in part are prohibited without written permission. All information provided by MarketVector Indexes™ is impersonal and not tailored to the needs of any person, entity or group of persons. MarketVector Indexes™ receives compensation in connection with licensing its indexes to third parties. You require a license from MarketVector Indexes™ to launch any financial product that is linked to a MarketVector™ Index to use the index data for any business purpose and for all use of the MarketVector™ name or name of the MarketVector™ Index. Past performance of an index is not a guarantee of future results.

It is not possible to invest directly in an index. Exposure to an asset class represented by an index is available through investable instruments or products based on that index. MarketVector Indexes™ does not sponsor, endorse, sell, promote or manage any investment fund or other investment vehicle that is offered by third parties and that seeks to provide an investment return based on the performance of any MarketVector™ Index ('Financial Product'). MarketVector Indexes™ makes no assurance that investment products based on any MarketVector™ Index will accurately track index performance or provide positive investment returns. MarketVector Indexes™ is not an investment advisor, and it makes no representation regarding the advisability of investing in any Financial Product. A decision to invest in any Financial Product should not be made in reliance on any of the statements set forth in this document.

Prospective investors are advised to make an investment in any Financial Product only after carefully considering the risks associated with investing in such Financial Product, as detailed in an offering memorandum or similar document that is prepared by or on behalf of the issuer of the Financial Product. Inclusion of a security within an index is not a recommendation by MarketVector Indexes™ to buy, sell, or hold such security, nor is it considered to be investment advice.

These materials have been prepared solely for informational purposes based upon information generally available to the public from sources believed to be reliable. No content contained in these materials (including index data, ratings, credit related analyses and data, model, software or other application or output therefrom) or any part thereof ('Content') may be modified, reverse engineered, reproduced or distributed in any form by any means, or stored in a database or retrieval system, without the prior written permission of MarketVector Indexes™. The Content shall not be used for any unlawful or unauthorized purposes. MarketVector Indexes™ and its third party data providers and licensors (collectively 'MarketVector Indexes™ Parties') do not guarantee the accuracy, completeness, timeliness or availability of the Content. MarketVector Indexes™ Parties are not responsible for any errors or omissions, regardless of the cause, for the results obtained from the use of the Content. THE CONTENT IS PROVIDED ON AN 'AS IS' BASIS. MARKETVECTOR INDEXES™ PARTIES DISCLAIM ANY AND ALL EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE, FREEDOM FROM BUGS, SOFTWARE ERRORS OR DEFECTS, THAT THE CONTENT'S FUNCTIONING WILL BE UNINTERRUPTED OR THAT THE CONTENT WILL OPERATE WITH ANY SOFTWARE OR HARDWARE CONFIGURATION. In no event shall MarketVector Indexes™ Parties be liable to any party for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (without limitation, lost income or lost profits and opportunity costs) in connection with any use of the Content even if advised of the possibility of such damages.