



INDEX GUIDE

MVIS® GLOBAL EQUITY INDICES

VERSION 6.23 | 02.2022

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1 INTRODUCTION

1 Introduction

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 MVIS Equity Index family (the "Indices").

MV Index Solutions GmbH (the "Index Owner") makes no warranties or representations as to the accuracy and/or completeness of the Indices and does not guarantee the results obtained by persons using the Indices 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 Indices are the property of MV Index Solutions GmbH. The Index Owner has selected an index calculator to calculate the Indices.

MVIS® is a registered trademark of Van Eck Associates Corporation and therefore protected globally against unlawful usage. The use of MVIS Indices in connection with any financial products or for benchmarking purposes requires a license. Please contact MV Index Solutions GmbH for more details.

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

1.1 Approval of Index Methodologies

The Index Owner has established the Indices 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.

1.2 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 5.6 applies.

2 INDEX UNIVERSE

2 Index Universe

2.1 Index Universe

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

- Limited Partnerships (LPs) are excluded, except in the MVIS North America Energy Infrastructure Index.
- Cannabis/marijuana companies are excluded.

Companies from financial markets that are not freely investable for foreign investors or that do not provide real-time and historical component and currency pricing may still be eligible if they have a listing on an eligible exchange and if they meet all the size and liquidity requirements on this exchange.

Due to investment restrictions in Bahrain, China (domestic market), India, Kuwait, Oman, Qatar, Saudi Arabia, the United Arab Emirates and Vietnam, listings on these exchanges are not eligible for MVIS Indices.

The following exceptions apply:

- for the respective country indices (India, Kuwait, Qatar, United Arab Emirates and Vietnam), the local exchange listings may be included,
- for the MVIS Global Rare Earth/Strategic Metals Index, Shanghai-listed companies trading via the Shanghai-Hong Kong Stock Connect may be included.
- for the MVIS Clean-Tech Metals Index, Shanghai-/Shenzhen-listed companies trading via the Shanghai-/Shenzhen-Hong Kong Stock Connect may be included.
- for the MVIS Clean-Tech Metals ex-China Index, Shanghai-/Shenzhen-listed companies trading via the Shanghai-/Shenzhen-Hong Kong Stock Connect are not included.

If a company with a listing in one of the above mentioned countries has another listing on an eligible foreign exchange that meets all investability, size and liquidity requirements, this listing will be eligible for all MVIS Indices.

Only stocks that have a full market capitalisation exceeding 50.0m USD are eligible for the index universe.

Some BlueStar Indexes® may only include securities listed on exchanges in certain countries as defined by various Listing Eligibility Schemes defined below and/or in chapter 4:

- Listing Eligibility Scheme 1: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hong Kong, Ireland, Israel, Italy, Japan, Luxembourg, Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, United Kingdom, United States.
- Listing Eligibility Scheme 2: Australia, Austria, Belgium, Canada, Finland, France, Germany, Greece, Ireland, Israel, Italy, Japan, Luxembourg, Netherlands, Portugal, Spain, United Kingdom, United States.
- Listing Eligibility Scheme 3: Australia, Austria, Belgium, Canada, Finland, France, Germany, Greece, Hong Kong, Ireland, Israel, Italy, Japan, Luxembourg, Netherlands, Portugal, Spain, Switzerland, United Kingdom, United States.

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- Listing Eligibility Scheme 4: Australia, Austria, Belgium, Canada, Finland, France, Germany, Greece, Ireland, Israel, Italy, Japan, Luxembourg, Netherlands, Portugal, Spain, Switzerland, United Kingdom, United States.
- Listing Eligibility Scheme 5: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hong Kong, Ireland, Israel, Italy, Japan, Luxembourg, Mexico, Netherlands, New Zealand, Norway, Portugal, Singapore, South Korea, Spain, Sweden, Switzerland, Taiwan, Thailand, United Kingdom, United States.
- Listing Eligibility Scheme 6: Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, United States.
- Listing Eligibility Scheme 7: Australia, China, Hong Kong, Indonesia, Japan, South Korea, Malaysia, New Zealand, the Philippines, Singapore, Taiwan, Thailand, Vietnam, United States, United Kingdom.
- Listing Eligibility Scheme 8: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hong Kong, Ireland, Israel, Italy, Japan, Luxembourg, Netherlands, Portugal, Spain, Switzerland, United Kingdom, United States.

2.2 Investable Index Universe

2.2.1 Standard Investability Rules

Only companies with a free-float (or shares available to foreign investors) of 5% or more for existing index components or 10% or more for new components are eligible for inclusion.

In addition to the above, stocks that are currently not in the index must meet the following size and liquidity requirements (if composite country volume data exists, it will be used to identify the investable index universe; once a company has qualified for the investable index universe, the most liquid single exchange price source within the country is selected):

- full market capitalisation exceeding 150.0m USD, and
- a three-month average-daily-trading volume of at least 1.0m USD at the current review and also at the previous two reviews, and
- at least 250,000 shares traded per month over the last six months at the current review and also at the previous two reviews.

For stocks already in the index the following applies:

- a full market capitalisation exceeding 75.0m USD, and
- a three-month average-daily-trading volume of at least 0.2m USD in at least two of the latest three quarters (current review and also at the previous two reviews).
- In addition, a three-month average-daily-trading volume of at least 0.6m USD at the current review or at one of the previous two reviews, or
- at least 200,000 shares traded per month over the last six months at the current review or at one of the previous two reviews.

2 INDEX UNIVERSE

- In case the number of investable stocks drops below the minimum component number for the respective index, additional companies are flagged eligible by the Index Owner's decision until the number of eligible stocks equals the minimum component count.

Only one share line of each company is eligible. In case more than one share line fulfils the above size and liquidity rules, only the largest share line by free-float market capitalisation is eligible. The Index Owner can, in exceptional cases (e.g. significantly higher liquidity), decide for a different share line.

In case the free-float market capitalisation of a non-component share line

- exceeds the free-float market capitalisation of a share line of the same company which is an index component by at least 25%, and
- fulfils all size and liquidity eligibility criteria for non-components

the current component share line will be replaced by the larger one. The Index Owner can, in exceptional cases (e.g. significantly higher liquidity), decide to keep the current share line instead.

2.2.2 Individual Investability Rules

Some BlueStar Indexes® follow investability rules which are individually described in chapter 4.

3 GENERAL DEFINITIONS

3 General Definitions

3.1 Free-Float

The Indices 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 capitalisation) 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.

3.2 Weighting Schemes

Most MVIS indices use cap-factors to guarantee diversification and avoid overweighting. Please refer to the individual index description in section 4 for the capping scheme used.

Index weightings are reviewed on a quarterly basis.

3.2.1 Weighting Scheme: Equal Weighting

An equal weighting overweighs smaller companies compared to a market capitalisation weighted index. Let "N" be the number of companies in the index. The weight for any single stock is 1/N.

3.2.2 Liquidity Overlay

Some indices (as defined in chapter 4) are weighted by an additional liquidity overlay. The liquidity overlay determines the maximum security weight which is equal to: 3 month ATDV/Notional Dollar Value.

$$W_{max,i} = \frac{ADTV_i}{ADTV_{Notional\ Dollar\ Value}}$$

where

$ADTV_i$ = 3m average daily traded value for component i .

The notional dollar value is specified individually in chapter 4.

In addition, a simple component cap (defined as weighting threshold in chapter 4) or a minimum weight can be applied. Excess weights are distributed equally for the component caps and deducted pro-rata for the minimum weight. Liquidity overlay and reweighting are repeated until the maximum security weight, defined as the minimum of liquidity overlay and component cap, is not exceeded, or the minimum weight and the liquidity overlay are reached.

3.3 Index Types/Dividend Payments

The total return index includes all dividend payments (on a net-dividend basis, i.e., net dividend equals declared dividend less withholding tax, for the Total Return Net indices (TRN) and on a gross-dividend basis, i.e., gross dividend - declared dividend, for the Total Return Gross Indices (TRG)) and the price 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.

3 GENERAL DEFINITIONS

If the dividend amount for an index component is not available on the ex-date, an amount of "0" (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 the most recent list of withholding taxes, please refer to our website (www.mvis-indices.com).

3.4 Review Schedule

3.4.1 Schedule 1

The reviews for these Indices (as defined in chapter 4) are based on the closing data on the last business day in February, May, August and November. If a company does not trade on the last business day in February, May, August or November, the last available price for this company will be used.

A "business day" means any day (other than a Saturday or Sunday) on which commercial banks and foreign exchange markets settle payments in Frankfurt.

The underlying index data (e.g. new number of shares, new free-float factors, and new weighting cap factors) is announced on the second Friday in a quarter-end month (i.e. March, June, September and December). The weighting cap factors are based on closing data of the Wednesday prior to the second Friday in a quarter-end month (i.e. March, June, September and December).

GDP Factors are announced on the second Friday in June.

Changes will be implemented and based on the closing prices of the third Friday of every quarter-end month (i.e. 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 company does not trade on the third Friday of a quarter-end month, then the last available price for this company will be used. Changes become effective on the next business day.

3.4.2 Schedule 2

The reviews for these Indices (as defined in chapter 4) are based on the closing data on the last business day in February, May, August and November. If a company does not trade on the last business day in February, May, August or November, the last available price for this company will be used.

A "business day" means any day (other than a Saturday or Sunday) on which commercial banks and foreign exchange markets settle payments in Frankfurt.

The underlying index data (e.g. new number of shares, new free-float factors, and new weighting cap factors) is announced on the second Thursday in a quarter-end month (i.e. March, June, September and December). For indices calculated by Solactive the weighting cap factors are based on closing data of the Wednesday prior to the second Friday in a quarter-end month (i.e. March, June, September and December). For indices calculated by S&P, the weighting cap factors are based on closing data on the last business day in February, May, August and November. If a company does not trade on the last business day in February, May, August or November, the last available price for this company will be used.

Changes will be implemented and based on the closing prices of the third Thursday of every quarter-end month (i.e. March, June, September and December). If the third Thursday is not a business day, the review will take place on the last business day before the third Thursday. If a company does not trade on the third Thursday of a quarter-end month, then the last available price for this company will be used. Changes become effective on the next business day.

3.5 Pricing Source

For each stock the pricing from the respective home market is used. In cases where ADRs, GDRs or similar products, or a secondary listing exist either on an exchange in the US or in the UK, the alternative price

3 GENERAL DEFINITIONS

source is used (instead of the home market price source) if it meets the standard liquidity requirements at a quarterly review, i.e.,

- a three-month average-daily-trading volume of at least 1.0m USD at the current review and also at the previous two reviews, and
- at least 250,000 shares traded per month over the last six months at the current review and also at the previous two reviews.

If composite country volume data exists, it is used to identify the investable index universe; once a company has qualified for the Investable Index Universe, the most liquid single exchange price source within the country is selected.

If more than one price source meets the liquidity requirements (section 2.2), the prices will be selected in the following order:

1. US price source,
2. UK price source - London Stock Exchange International Order Book (IOB) only,
3. Home-market price source.

Once the price source is switched to the alternative price source, the alternative price source is used as long as it meets the standard liquidity requirements. The Index Owner can, in exceptional cases, assign alternative pricing sources.

The rule above applies to all Indices but

- A US price source is used for:
 - the MVIS US Business Development Companies Index,
 - the MVIS US Listed Biotech 25 Index,
 - the MVIS US Listed Oil Services 25 Index,
 - the MVIS US Listed Pharmaceutical 25 Index,
 - the MVIS US Listed Retail 25 Index,
 - the MVIS US Listed Semiconductor 10% Capped Index,
 - the MVIS US Listed Semiconductor 25 and
 - the MVIS US Mortgage REITs Index.
- An Australian price source is used for:
 - the MVIS Australia Index,
 - the MVIS Australia Equal Weight Index,
 - the MVIS Australia Uncapped Index,
 - the MVIS Australia A-REITs Index,
 - the MVIS Australia Banks Index,
 - the MVIS Australia Resources Index,
 - the MVIS Australia Small-Cap Index, and
 - the MVIS Australia Small-Cap Dividend Payers Index.
- A US or Canada price source is used for:
 - the MVIS North America Energy Infrastructure Index.
- the primary listing as the price source is used for:
 - BlueStar Indexes® (except BLOGRNTR/BLOGTNTR).

3 GENERAL DEFINITIONS

3.6 Index Currency

Real-time index values are calculated with the midpoint between the latest available real-time bid- and ask-prices.

The closing values for the MVIS Australia indices are calculated at 17:00:00 Sydney Time with fixed 15:00 Sydney Time exchange rates from WM company.

The closing values for all other indices are calculated at 22:40:00 CET with fixed 16:00 London time exchange rates from WM company.

4 INDICES

4 Indices

The following sections define all relevant index parameters, this includes

- Universe: eligible companies,
- Review: selection and weightings,
- Dissemination: times, currencies and identifiers.

4 INDICES

4.1 BlueStar® Machine Learning and Quantum Computing Index

The BlueStar Machine Learning and Quantum Computing Index tracks the performance of companies that are involved in a range of industries related to Quantum Computing or Machine Learning.

Companies whose business activity, products, or services include one of the following in relation to the development or commercialization of quantum computing or machine learning technology, based principally on companies' most recent annual filing, are eligible for inclusion:

- quantum computing including: super conducting materials, applications or algorithms built for quantum computers, or equipment and materials used specifically in manufacturing quantum computers
- machine learning including: advanced computing hardware such as GPUs, FPGAs, ASICs, embedded artificial intelligence chips, semiconductor manufacturing equipment, and companies that specialize in the perception, collection, visualization or management of big data.

Stocks must be listed on an exchange per Listing Eligibility Scheme 5.

Standard investability rules in section 2.2.1 apply.

Components are equally weighted as described in section 3.2.1, in addition, the liquidity overlay as described in section 3.2.2 is applied with a notional value of 100 million USD.

Review procedure:

The index follows Schedule 1 in section 3.4.1, but reviews only semi-annually in June and December. In addition the IPO/spin-off/SPAC rule in section 5.2 is considered in March and September, given the stock fulfills the eligibility criteria above and has at least 50% of their annual revenue or operating activity from quantum computing-related products or activities. Stocks that enter the index in March and September are added at an equal weight with the weight reduced from existing components proportionally.

Target coverage: At least 99.0% of the free-float market capitalisation of the investable universe with at least 70 companies.

1. All stocks in the investable universe are sorted in terms of free-float market capitalisation in descending order.
2. Stocks covering the top 98.5% of the free-float market capitalisation of the investable universe qualify for selection.
3. Existing components between the 98.5 and 99.5 percentiles also qualify for the index.
4. In addition all stocks that meet the investability criteria and have at least 50% of their annual revenue or operating activity from quantum computing-related products or activities will be selected.
5. If the coverage is still below 99% or the number of components in the index is still below 70 companies, then the largest remaining stocks are selected until coverage of at least 99% is reached and the number of stocks equals 70.
6. In case the number of eligible companies is below 70, additional companies are added by the Index Owner's decision based on the next largest companies that fit the description of companies that meet the business activity, product, or service offering criteria are considered for inclusion and are closest to meeting the liquidity criteria as described above, until the number of stocks equals 70.

4 INDICES

For all corporate events that result in a stock deletion from the index, there is no replacement, the additional weight resulting from the deletion will be redistributed proportionally across all other index constituents.

The index is calculated weekdays between 01:00 and 22:40 (CET) and the index values are disseminated to data vendors every 15 seconds on days when either the US equity market is open for trading or at least one of the index components is available for trading.

The index is disseminated in USD.

The BlueStar Machine Learning and Quantum Computing Index is calculated as a total return net index and has the following identifiers:

Index Type	ISIN	SEDOL	WKN	Bloomberg	Reuters
Total Return Net Index	DE000SLA5JF2	BMGR4X9	SLA5JF	BQTUMTR	.BQTUMTR

The index was launched on 16 June 2018 with a base index value of 100.00 as of 18 December 2015.

5 ONGOING MAINTENANCE

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 immediately and will be effective the next trading day (i.e. the ex-date).

Simple share/float changes are implemented after a 3-day notice period.

5.2 Initial Public Offerings (IPOs), SPACs and Spin-Offs

An IPO stock is eligible for fast-track addition to the investable index universe once; either at the next quarterly/semi-annual review if it has been trading since at least the last trading day of the month prior to the review snapshot dates (i.e., the last trading day in February, May, August or November) or else at the following quarterly/semi-annual review. In order to be added to the index the IPO stock has to meet the size and liquidity requirements:

- the IPO must have a full market capitalisation exceeding 150.0m USD, and
- the IPO must have a free-float factor of at least 10%, and
- the IPO must have an average-daily-trading volume of at least 1.0m USD, and
- the IPO must have traded at least 250,000 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.

For the MVIS Global Digital Assets Equity Index, the MVIS Global Digital Assets Mining Index, the BlueStar Global E-Brokers and Digital Capital Markets Index and the BlueStar US Listed E-Brokers and Digital Capital Markets Index, a modified rule applies:

- a monthly review snapshot is taken based on the last trading day of each month. The same eligibility rules as for the quarterly inclusion apply on a monthly basis. The new composition is implemented after close of the third Friday of the following month. The weighting cap factors are based on closing data of the Wednesday prior to the second Friday in a quarter-end month. Additions which enter the index by this rule and not the regular quarterly review receive a maximum weight of 4.5%.
- In case the IPO/SPAC/spin-off exceeds a full market capitalization of USD 1bln on the Friday following the effective date/if the Friday is the effective date, it will be added after close of the Friday of the following week. The above mentioned liquidity rules (shares traded, average-daily-trading volume) do not hold in this case; the free-float factor must be greater or equal than 10%. The weighting cap factors are based on closing data of the Friday prior to implementation. Additions which enter the index by this rule and not the regular quarterly review receive a maximum weight of 4.5%.

5.3 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 stock and one or more non-surviving stocks that may not necessarily be de-listed from the respective trading system(s).

5 ONGOING MAINTENANCE

- If an index component merges with or takes over another index component:
The surviving stock remains in the index and the other stock is deleted immediately from the index. Its shares and float are adjusted according to the terms of the merger/takeover. The index market capitalisation of the merged company corresponds to the market capitalisation of the two separate companies.
- If an index component merges with or takes over a non-index component:
 - If the surviving stock meets the index requirements (for country/sector, market capitalisation and free-float), it will remain in the index and its shares (if the share change is greater than 10%) and float will be adjusted according to the terms of the merger/takeover.
 - If the surviving stock does not meet the index requirements (for country/sector, market capitalisation and free-float), it will be deleted immediately from the index.
- If a non-index component merges with or takes over an index component:
 - If the surviving stock meets the index requirements (for country/sector, market capitalisation and free-float), it will be added to the index (shares (if the share change is greater than 10%) and float adjusted according to the terms of the merger/takeover) and will replace the current index component.
 - If the surviving stock does not meet the index requirements (for country/sector, market capitalisation and free-float), it will not be added to the index and the current index component will be deleted immediately from the index.

5.4 Changes due to Spin-Offs

Each spin-off stock is immediately added to the Index for at least two trading days, if traded on its ex-date. If a spin-off company does not qualify for the Index, it will be deleted based on its respective closing price. Shares and floats of the surviving companies are adjusted according to the terms of the spin-off.

5.5 Additions due to Replacements

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

5.6 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 analysed 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.

5 ONGOING MAINTENANCE

In case of material changes an advance notice will be published and provided to users. MVIS 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 MVIS's 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 analyse and comment upon the impact of such proposed material change. Any material comments received in relation to the Index Guide change and MVIS's response to those comments will be made publicly accessible after any consultation, except where confidentiality has been requested by the originator of the comments.

5.7 Discretion regarding the Use of Input Data

Pursuant to Art. 12 No.1. (b), MVIS 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, or a situation is not covered by the index rules, MVIS may use or change the data at its own discretion according to the following discretion policy after a plausibility check. This may include

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

Any changes to input data that MVIS intends to apply because of missing data, different data from different sources or other information concluding the inappropriateness or incorrectness of data must subject to reasonable discretion. The decision on any change must be required, appropriate, commensurable and in line with the respective index scope and objective and must reasonably consider in a balance weight the interest of Users, investors in related products and the integrity of the market.

Index operations ensures consistency in the use of discretion in its judgement 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 analysed 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. MVIS will always weight the different interest 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 judgement or discretion by MVIS and will include the reasoning for said judgement or discretion.

5.8 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"):

5 ONGOING MAINTENANCE

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

MVIS 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 Indices are 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 stocks (i) in the Index):

- p_i = stock price,
- q_i = number of shares,
- ff_i = free float factor,
- fx_i = exchange rate (local currency to USD or AUD),
- cf_i = (country- or sector-) weighting cap factor (if applicable, otherwise set to 1),
- M = free-float market capitalisation 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 (MVMORT[TR/TG] and MVBIZD[TR/TG]: 3 decimals),
 - free-float factors (ff_i),
- Rounding to 4 decimal places:
 - stock 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 stocks to the Index - should not change the level of the index. This is accomplished with an adjustment to the divisor. Any change to the stocks in the index that alters the total market value of the index while holding stock 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 capitalisation 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 = stock price,

q_i = number of shares.

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

$$p_{(i,adjusted)} = p_i - (Dividend * (1 - Withholding Tax))$$
(In total return gross indices the withholding tax is 0.)
- *Special cash dividend (for price and total return indices)* Divisor change: Yes

$$p_{(i,adjusted)} = p_i - (Dividend * (1 - Withholding Tax))$$
(In total return gross indices 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 indices) or special (adjustments for total return indices 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: Yes
Shareholders receive 'B' shares of a different company for every 'A' share held.

$$p_{(i,adjusted)} = (p_i * A - price\ of\ different\ security * B)/A$$

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- *Spin-offs* Divisor change: No
 Shareholders receive 'B' new shares for every 'A' share held.
 The spun-off company will be added to all indices 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 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 is not eligible for the index it will be deleted after 2 trading days.
- *Addition/Deletion of a company* Divisor change: Yes
 Net change in market value determines the divisor adjustment.
- *Changes in shares outstanding* Divisor change: Yes
 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 (3 trading days notice) and implemented on a best efforts basis. If necessary and information is available, resulting float changes will be taken into consideration. Share changes will not be implemented in the week between review announcement and implementation.
- *Changes due to a merger/takeover/spin-off* 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 stock 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

MVIS 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.
- MVIS 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 MVIS identifies any conduct that may involve manipulation or attempted manipulation of an index by calculation agent it will report this to the regulator.

6 CALCULATION

- Where possible and economically reasonable MVIS 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.
- MVIS prompts calculation agent to make all efforts to restart index calculation.
- MVIS prompts Dissemination agent to make all efforts to restart index dissemination.
- MVIS 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 MVIS 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 MVIS will try use another calculation and/or dissemination agent.

7 ESG FACTORS

7 ESG Factors

Key Elements of the benchmark methodology for the indices in this table reflect environmental, social and governance (ESG) factors.

E,S,G	Category	Description	Application	Data Standards Used	Index
E,S,G	Norm-Based Research	NBR Overall Score: This factor assigns a 1-10 score to an issuer based on the issuer's link with any violations of international standards. Score 10 aligns with a Red flag; scores from 6 to 9 align with the Amber flag; scores from 2 to 5 reflect an 'active' Green flag; and a score of 1 communicates a Green 'No allegation' signal.	Exclusion	ISS (NBOverallScore)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
E,S,G	Norm-Based Research	NBR Overall Severity Indicator: This factor is based on the worst Case Severity Indicator, which is a measure of the reported risk or impact on society or the environment, and takes into account the degree of corporate involvement. The 'Very Severe' value identifies instances where the company is reportedly causing/contributing to critical adverse impact. The 'Severe' value identifies instances where the company is reportedly causing/contributing significant adverse impact. The 'Moderate' value identifies instances where the company is causing/contributing to adverse impact, or linked to significant/critical adverse impact. The 'Potential' value identifies instances where the impact and/or corporate involvement have not been clearly determined.	Exclusion	ISS (NBOverallSeverityIndicator)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
E	Energy Extractives	Thermal Coal Mining - Total Maximum Percentage of Revenues: This factor provides the maximum percentage of recent-year revenues for the issuer's total involvement in thermal coal mining, including any exposure in Production or Services. The maximum percentage of revenues values are based on the best available data, which may include reported revenues, reported percentage of revenues, or estimated revenues based on available information.	Exclusion	ISS (CoalMiningRevShareMaxThermal)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
E	Energy Extractives	Fossil Fuel - Total Maximum Percentage of Revenues: This factor provides the maximum percentage of recent-year revenues for the issuer's total involvement in fossil fuel, including any exposure in Production, Exploration, Distribution, and Services. The maximum percentage of revenues values are based on the best available data, which may include reported revenues, reported percentage of revenues, or estimated revenues based on available information.	Exclusion	ISS (FossilFuelRevShareMax)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
E	Energy Extractives	Oil Sands - Total Maximum Percentage of Revenues: This factor identifies the issuer's max percentage value of revenue derived from oil sands.	Exclusion	ISS (FossilFuelRevShareMax)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
E	Energy Extractives	Nuclear Power - Uranium Mining Max Percentage of Revenues (%): This factor provides the maximum percentage of recent-year revenues for the company's involvement in uranium exploration, extraction, and processing.	Exclusion	ISS (NuclearPowerUraniumRevShareMax)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
E	Norm-Based Research	NBR Environmental Protection Severity Indicator: This factor is based on the worst Case Severity Indicator within the Key Thematic Area Environmental Protection. The Case Severity Indicator is a measure of the reported risk or impact on society or the environment, and takes into account the degree of corporate involvement. The 'Very Severe' value identifies instances where the company is reportedly causing/contributing to critical adverse impact. The 'Severe' value identifies instances where the company is reportedly causing/contributing significant adverse impact. The 'Moderate' value identifies instances where the company is causing/contributing to adverse impact, or linked to significant/critical adverse impact. The 'Potential' value identifies instances where the impact and/or corporate involvement have not been clearly determined.	Exclusion	ISS (NBEnvironmentProtSeverityIndicator)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Controversial Weapons	Anti-personnel Mines - Overall Flag: This factor assigns an overall Red, Amber, or Green flag to an issuer based on the issuer's involvement in any anti-personnel mines programme. The Overall Flag is determined by the lowest individual assessment signal within the issue area. For example, if the issuer is assigned both a Red signal and an Amber signal for different assessments in this issue area, the issuer's Overall Flag will be Red.	Exclusion	ISS (APMinesOverallFlag)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC

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S	Controversial Weapons	Biological Weapons - Overall Flag: This factor assigns an overall Red, Amber, or Green flag to an issuer based on the issuer's involvement in any biological weapons programme. The Overall Flag is determined by the lowest individual assessment signal within the issue area. For example, if the issuer is assigned both a Red signal and an Amber signal for different assessments in this issue area, the issuer's Overall Flag will be Red.	Exclusion	ISS (Biological-WeaponsOverallFlag)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Controversial Weapons	Chemical Weapons - Overall Flag: This factor assigns an overall Red, Amber, or Green flag to an issuer based on the issuer's involvement in any chemical weapons programme. The Overall Flag is determined by the lowest individual assessment signal within the issue area. For example, if the issuer is assigned both a Red signal and an Amber signal for different assessments in this issue area, the issuer's Overall Flag will be Red.	Exclusion	ISS (Chemical-WeaponsOverallFlag)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Controversial Weapons	Cluster Munitions - Overall Flag: This factor assigns an overall Red, Amber, or Green flag to an issuer based on the issuer's involvement in any cluster munitions programme. The Overall Flag is determined by the lowest individual assessment signal within the issue area. For example, if the issuer is assigned both a Red signal and an Amber signal for different assessments in this issue area, the issuer's Overall Flag will be Red.	Exclusion	ISS (ClusterMunitionsOverallFlag)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Controversial Weapons	Depleted Uranium - Overall Flag: This factor assigns an overall Red, Amber, or Green flag to an issuer based on the issuer's involvement in any depleted uranium programme. The Overall Flag is determined by the lowest individual assessment signal within the issue area. For example, if the issuer is assigned both a Red signal and an Amber signal for different assessments in this issue area, the issuer's Overall Flag will be Red.	Exclusion	ISS (DepletedUraniumOverallFlag)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Controversial Weapons	Incendiary Weapons - Overall Flag: This factor assigns an overall Red, Amber, or Green flag to an issuer based on the issuer's involvement in any incendiary weapons programme. The Overall Flag is determined by the lowest individual assessment signal within the issue area. For example, if the issuer is assigned both a Red signal and an Amber signal for different assessments in this issue area, the issuer's Overall Flag will be Red.	Exclusion	ISS (Incendiary-WeaponsOverallFlag)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Controversial Weapons	Nuclear Weapons Outside NPT - Overall Flag: This factor assigns an overall Red, Amber, or Green flag to an issuer based on the issuer's involvement in any nuclear weapons programme outside of the Non-Proliferation Treaty (NPT). The Overall Flag is determined by the lowest individual assessment signal within the issue area. For example, if the issuer is assigned both a Red signal and an Amber signal for different assessments in this issue area, the issuer's Overall Flag will be Red.	Exclusion	ISS (NuclearWeaponsNonNPTOverallFlag)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Controversial Weapons	Nuclear Weapons Inside NPT - Overall Flag: This factor assigns an overall Red, Amber, or Green flag to an issuer based on the issuer's involvement in any nuclear weapons programme inside of the Non-Proliferation Treaty (NPT). The Overall Flag is determined by the lowest individual assessment signal within the issue area. For example, if the issuer is assigned both a Red signal and an Amber signal for different assessments in this issue area, the issuer's Overall Flag will be Red.	Exclusion	ISS (Nuclear-WeaponsOverallFlag)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Controversial Weapons	White Phosphorus Weapons - Overall Flag: This factor assigns an overall Red, Amber, or Green flag to an issuer based on the issuer's involvement in any white phosphorus weapons programme. The Overall Flag is determined by the lowest individual assessment signal within the issue area. For example, if the issuer is assigned both a Red signal and an Amber signal for different assessments in this issue area, the issuer's Overall Flag will be Red.	Exclusion	ISS (WhitePhosphorusOverallFlag)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Norm-Based Research	NBR Union Rights Severity Indicator: This factor is based on the worst Case Severity Indicator within the Key Thematic Area Union Rights. The Case Severity Indicator is a measure of the reported risk or impact on society or the environment, and takes into account the degree of corporate involvement. The 'Very Severe' value identifies instances where the company is reportedly causing/contributing to critical adverse impact. The 'Severe' value identifies instances where the company is reportedly causing/contributing significant adverse impact. The 'Moderate' value identifies instances where the company is causing/contributing to adverse impact, or linked to significant/critical adverse impact. The 'Potential' value identifies instances where the impact and/or corporate involvement have not been clearly determined.	Exclusion	ISS (NBRUnion-RightsSeverityIndicator)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC

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S	Norm-Based Research	NBR Workplace Discrimination Severity Indicator: This factor is based on the worst Case Severity Indicator within the Key Thematic Area Workplace Discrimination. The Case Severity Indicator is a measure of the reported risk or impact on society or the environment, and takes into account the degree of corporate involvement. The 'Very Severe' value identifies instances where the company is reportedly causing/contributing to critical adverse impact. The 'Severe' value identifies instances where the company is reportedly causing/contributing significant adverse impact. The 'Moderate' value identifies instances where the company is causing/contributing to adverse impact, or linked to significant/critical adverse impact. The 'Potential' value identifies instances where the impact and/or corporate involvement have not been clearly determined.	Exclusion	ISS (NBR-WorkDiscrim-SeverityIndicator)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Norm-Based Research	NBR Child Labour Severity Indicator: This factor is based on the worst Case Severity Indicator within the Key Thematic Area Child Labour. The Case Severity Indicator is a measure of the reported risk or impact on society or the environment, and takes into account the degree of corporate involvement. The 'Very Severe' value identifies instances where the company is reportedly causing/contributing to critical adverse impact. The 'Severe' value identifies instances where the company is reportedly causing/contributing significant adverse impact. The 'Moderate' value identifies instances where the company is causing/contributing to adverse impact, or linked to significant/critical adverse impact. The 'Potential' value identifies instances where the impact and/or corporate involvement have not been clearly determined.	Exclusion	ISS (NBRChild-LabourSeverityIndicator)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Norm-Based Research	NBR Fundamental Human Rights Severity Indicator: This factor is based on the worst Case Severity Indicator within the Key Thematic Area Fundamental Human Rights. The Case Severity Indicator is a measure of the reported risk or impact on society or the environment, and takes into account the degree of corporate involvement. The 'Very Severe' value identifies instances where the company is reportedly causing/contributing to critical adverse impact. The 'Severe' value identifies instances where the company is reportedly causing/contributing significant adverse impact. The 'Moderate' value identifies instances where the company is causing/contributing to adverse impact, or linked to significant/critical adverse impact. The 'Potential' value identifies instances where the impact and/or corporate involvement have not been clearly determined.	Exclusion	ISS (NBRFHumanRights-SeverityIndicator)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Norm-Based Research	NBR Forced Labour Severity Indicator: This factor is based on the worst Case Severity Indicator within the Key Thematic Area Forced Labour. The Case Severity Indicator is a measure of the reported risk or impact on society or the environment, and takes into account the degree of corporate involvement. The 'Very Severe' value identifies instances where the company is reportedly causing/contributing to critical adverse impact. The 'Severe' value identifies instances where the company is reportedly causing/contributing significant adverse impact. The 'Moderate' value identifies instances where the company is causing/contributing to adverse impact, or linked to significant/critical adverse impact. The 'Potential' value identifies instances where the impact and/or corporate involvement have not been clearly determined.	Exclusion	ISS (NBR-ForcedLabour-SeverityIndicator)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Norm-Based Research	NBR Labour Standards Severity Indicator: This factor is based on the worst Case Severity Indicator within the Key Thematic Area Labour Standards. The Case Severity Indicator is a measure of the reported risk or impact on society or the environment, and takes into account the degree of corporate involvement. The 'Very Severe' value identifies instances where the company is reportedly causing/contributing to critical adverse impact. The 'Severe' value identifies instances where the company is reportedly causing/contributing significant adverse impact. The 'Moderate' value identifies instances where the company is causing/contributing to adverse impact, or linked to significant/critical adverse impact. The 'Potential' value identifies instances where the impact and/or corporate involvement have not been clearly determined.	Exclusion	ISS (NBR-LabourStand-SeverityIndicator)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC

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S	Norm-Based Research	NBR Assessment - Gender Discrimination: This factor identifies companies involved in one or more workplace gender discrimination controversies where there is verification by an authoritative body but the issue remains unaddressed; where the issuer has entered contract(s) that would, when actualised, lead to a failure to respect established norms; where there are credible allegations; where the failure to respect established norms has been verified, yet the issuer is implementing remedial measures; or where there are credible allegations but there is fragmentary information about the issuer's ongoing involvement.	Exclusion	ISS (NBSI-LabourDiscriminationGender)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Norm-Based Research	NBR Assessment - Racial Discrimination: This factor identifies companies involved in one or more workplace racial discrimination controversies where there is verification by an authoritative body but the issue remains unaddressed; where the issuer has entered contract(s) that would, when actualised, lead to a failure to respect established norms; where there are credible allegations; where the failure to respect established norms has been verified, yet the issuer is implementing remedial measures; or where there are credible allegations but there is fragmentary information about the issuer's ongoing involvement.	Exclusion	ISS (NBSI-LabourDiscriminationRacial)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Norm-Based Research	This factor identifies issuers that have been listed on the AFL-CIO Boycott List.	Exclusion	ISS (AFL-CIOBoycottList)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Sector Screening	Civilian Firearms - Ammunition: This factor identifies issuers engaged in the production, distribution, or provision of services related to ammunition for civilian firearms. This factor covers any type of ammunition sold to the civilian market, including ammunition originally designed for military and law enforcement firearms.	Exclusion	ISS (CivFAAmmunitionInvolvement)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Sector Screening	Civilian Firearms - Assault Weapons: This factor identifies issuers engaged in the production, distribution, or provision of services related to assault weapons, which includes semi-automatic firearms that possess certain technical features as defined under the 1994 US Public Safety and Recreational Firearms Use Protection Act.	Exclusion	ISS (CivFAAssaultWeaponInvolvement)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Sector Screening	Civilian Firearms - Automatic Firearms: This factor identifies issuers engaged in the production, distribution, or provision of services related to automatic firearms, which includes firearms that allow the user to fire more than one round of ammunition for every pull of the trigger.	Exclusion	ISS (CivFAAutomaticInvolvement)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Sector Screening	Civilian Firearms - High-Capacity Magazines: This factor identifies issuers engaged in the production, distribution, or provision of services related to high-capacity magazines, defined as magazines and other ammunition feeding devices such as ammunition belts or clips which have the capacity to hold more than ten rounds of ammunition.	Exclusion	ISS (CivFAHighCapMagazinesInvolvement)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Sector Screening	Civilian Firearms - Any Tie: This factor identifies issuers engaged in the production, distribution, or provision of services related to civilian firearms. The 'Production' value identifies issuers engaged in manufacturing and producing civilian firearms, 'Distribution' includes issuers engaged in the reselling of civilian firearms, and 'Services' refers to issuers engaged in providing services for civilian firearms such as maintenance, repair, testing, transport, and similar activities.	Exclusion	ISS (CivFAInvolvement)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Sector Screening	Civilian Firearms - Repeating Firearms: This factor identifies issuers engaged in the production, distribution, or provision of services related to repeating firearms, which includes firearms that fire only a single shot when the trigger is pulled and require manipulation of a manual reloading mechanism prior to repeated firing.	Exclusion	ISS (CivFARepeatingInvolvement)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Sector Screening	Tobacco - Revenue Share: This factor identifies the max percentage value of revenue derived from involvement in tobacco.	Exclusion	ISS (TobaccoRevShareMax)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Sector Screening	Gambling - Revenue Share: This factor identifies the max percentage value of revenue derived from involvement in gambling.	Exclusion	ISS (GamblingRevShareMax)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
S	Sector Screening	Military Equipment and Services - Revenue Share: This factor identifies the max percentage value of revenue derived from involvement in military equipment and services.	Exclusion	ISS (MilitaryEqmRevShareMax)	MVBION, MVFOF, MVHTWO, MVFHC

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G	Norm-Based Research	NBR Bribery Severity Indicator: This factor is based on the worst Case Severity Indicator within the Key Thematic Area Bribery. The Case Severity Indicator is a measure of the reported risk or impact on society or the environment, and takes into account the degree of corporate involvement. The 'Very Severe' value identifies instances where the company is reportedly causing/contributing to critical adverse impact. The 'Severe' value identifies instances where the company is reportedly causing/contributing significant adverse impact. The 'Moderate' value identifies instances where the company is causing/contributing to adverse impact, or linked to significant/critical adverse impact. The 'Potential' value identifies instances where the impact and/or corporate involvement have not been clearly determined.	Exclusion	ISS (NBR-BriberySeverityIndicator)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC
G	Norm-Based Research	NBR Money Laundering Severity Indicator: This factor is based on the worst Case Severity Indicator within the Key Thematic Area Money Laundering. The Case Severity Indicator is a measure of the reported risk or impact on society or the environment, and takes into account the degree of corporate involvement. The 'Very Severe' value identifies instances where the company is reportedly causing/contributing to critical adverse impact. The 'Severe' value identifies instances where the company is reportedly causing/contributing significant adverse impact. The 'Moderate' value identifies instances where the company is causing/contributing to adverse impact, or linked to significant/critical adverse impact. The 'Potential' value identifies instances where the impact and/or corporate involvement have not been clearly determined.	Exclusion	ISS (NBR-MoneyLaunderSeverityIndicator)	MVBION, MVSPC, MVFOF, MVHTWO, MVFHC

Data standards used:

- Data Input: MVIS sources ESG data externally from ISS, where data is not available, best efforts is made to model required data.
- Verification and quality of data: The provider of ESG-related data input is selected by the Administrator based on an assessment of its existing processes in order to ensure the reliability and representativeness of the ESG-related data. The data provider has established processes in accordance with accepted and established market standards that ensure the permanent quality and reliability of the ESG-data provided.
- Reference standards: ISS Norm-Based Research framework consists of the Principles of the UN Global Compact, the OECD Guidelines for Multinational Enterprises and the UN Guiding Principles for Business and Human Rights, and is embedded in the Sustainable Development Goals.

8 APPENDIX

8 Appendix

8.1 Names and Tickers - Country and Regional Indices

Long Name	Short Name	Symbol
BlueStar® Israel Global Index (Price)	BS Israel Glb. Idx (Pr)	BLS
BlueStar® Israel Global Index (TRN)	BS Israel Glb. Idx (TRN)	BLSNTR
BlueStar® Israel Global Index	BS Israel Glb. Idx (TRG)	BLSTR
BlueStar® Israel Global Total Investable Market Index (Price)	BS Israel Glb. TIM Idx (Pr)	BITM
BlueStar® Israel Global Total Investable Market Index (TRN)	BS Israel Glb. TIM Idx (TRN)	BITMNTR
BlueStar® Israel Global Total Investable Market Index (TRG)	BS Israel Glb. TIM Idx (TRG)	BITMTR
MVIS® Australia Index (Price) (AUD)	MV Australia Idx (Pr) (AUD)	MVAUS
MVIS® Australia Index (TRN) (AUD)	MV Australia Idx (TRN) (AUD)	MVAUSTR
MVIS® Australia Index (TRG) (AUD)	MV Australia Idx (TRG) (AUD)	MVAUSTRG
MVIS® Australia Equal Weight Index (Price) (AUD)	MV Australia Equal Weight Idx (Pr) (AUD)	MVMVW
MVIS® Australia Equal Weight Index (TRN) (AUD)	MV Australia Equal Weight Idx (TRN) (AUD)	MVMVWTR
MVIS® Australia Equal Weight Index (TRG) (AUD)	MV Australia Equal Weight Idx (TRG) (AUD)	MVMVWTRG
MVIS® Australia Uncapped Index (Price) (AUD)	MV Australia Uncapped Idx (Pr) (AUD)	MVAUSU
MVIS® Australia Uncapped Index (TRN) (AUD)	MV Australia Uncapped Idx (TRN) (AUD)	MVAUSUTR
MVIS® Australia Uncapped Index (TRG) (AUD)	MV Australia Uncapped Idx (TRG) (AUD)	MVAUSUTG
MVIS® Australia Small-Cap Index (Price) (AUD)	MV Australia SC Idx (Pr) (AUD)	MVIDD
MVIS® Australia Small-Cap Index (TRN) (AUD)	MV Australia SC Idx (TRN) (AUD)	MVIDDTR
MVIS® Australia Small-Cap Index (TRG) (AUD)	MV Australia SC Idx (TRG) (AUD)	MVIDDTRG
MVIS® Australia Small-Cap Dividend Payers Index (Price) (AUD)	MV Australia SC Dividend Payers Idx (Pr) (AUD)	MVMVS
MVIS® Australia Small-Cap Dividend Payers Index (TRN) (AUD)	MV Australia SC Dividend Payers Idx (TRN) (AUD)	MVMVSTR
MVIS® Australia Small-Cap Dividend Payers Index (TRG) (AUD)	MV Australia SC Dividend Payers Idx (TRG) (AUD)	MVMVSTRG
MVIS® Brazil Index (Price)	MV Brazil Idx (Pr)	MVBRA
MVIS® Brazil Index (TRN)	MV Brazil Idx (TRN)	MVBRATR
MVIS® Brazil Small-Cap Index (Price)	MV Brazil SC Idx (Pr)	MVBRF
MVIS® Brazil Small-Cap Index (TRN)	MV Brazil SC Idx (TRN)	MVBRFTR
MVIS® Chile Index (Price)	MV Chile Idx (Pr)	MVCHL
MVIS® Chile Index (TRN)	MV Chile Idx (TRN)	MVCHLTR
MVIS® Colombia Index (Price)	MV Colombia Idx (Pr)	MVCOLX
MVIS® Colombia Index (TRN)	MV Colombia Idx (TRN)	MVCOLXTR
MVIS® Egypt Index (Price)	MV Egypt Idx (Pr)	MVEGPT
MVIS® Egypt Index (TRN)	MV Egypt Idx (TRN)	MVEGPTTR
MVIS® GDP Africa Index (Price)	MV GDP Africa Idx (Pr)	MVAFK
MVIS® GDP Africa Index (TRN)	MV GDP Africa Idx (TRN)	MVAFKTR
MVIS® Germany Index (Price)	MV Germany Idx (Pr)	MVGER
MVIS® Germany Index (TRN)	MV Germany Idx (TRN)	MVGERTR
MVIS® Germany Equal Weight Index (Price)	MV Germany Equal Weight Idx (Pr)	MVDEEQ
MVIS® Germany Equal Weight Index (TRN)	MV Germany Equal Weight Idx (TRN)	MVDEEQTR
MVIS® India Index (Price)	MV India Idx (Pr)	MVIND
MVIS® India Index (TRN)	MV India Idx (TRN)	MVINDTR
MVIS® Indonesia Index (Price)	MV Indonesia Idx (Pr)	MVIDX
MVIS® Indonesia Index (TRN)	MV Indonesia Idx (TRN)	MVIDXTR
MVIS® Japan Index (Price)	MV Japan Idx (Pr)	MVJAP
MVIS® Japan Index (TRN)	MV Japan Idx (TRN)	MVJAPTR
MVIS® Japan Equal Weight Index (Price)	MV Japan Equal Weight Idx (Pr)	MVJPEQ
MVIS® Japan Equal Weight Index (TRN)	MV Japan Equal Weight Idx (TRN)	MVJPEQTR
MVIS® Kuwait Index (Price)	MV Kuwait Idx (Pr)	MVKUWT
MVIS® Kuwait Index (TRN)	MV Kuwait Idx (TRN)	MVKUWTTR
MVIS® Malaysia Index (Price)	MV Malaysia Idx (Pr)	MVMYS
MVIS® Malaysia Index (TRN)	MV Malaysia Idx (TRN)	MVMYSTR
MVIS® Mexico Index (Price)	MV Mexico Idx (Pr)	MVMEX
MVIS® Mexico Index (TRN)	MV Mexico Idx (TRN)	MVMEXTR
MVIS® Mexico Equal Weight Index (Price)	MV Mexico Equal Weight Idx (Pr)	MVMXEQ
MVIS® Mexico Equal Weight Index (TRN)	MV Mexico Equal Weight Idx (TRN)	MVMXEQTR
MVIS® Pakistan Index (Price)	MV Pakistan Idx (Pr)	MVPAK
MVIS® Pakistan Index (TRN)	MV Pakistan Idx (TRN)	MVPAKTR

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MVIS® Philippines Index (Price)	MV Philippines Idx (Pr)	MVPHL
MVIS® Philippines Index (TRN)	MV Philippines Idx (TRN)	MVPHLTR
MVIS® Poland Index (Price)	MV Poland Idx (Pr)	MVPLND
MVIS® Poland Index (TRN)	MV Poland Idx (TRN)	MVPLNDTR
MVIS® Qatar Index (Price)	MV Qatar Idx (Pr)	MVGAT
MVIS® Qatar Index (TRN)	MV Qatar Idx (TRN)	MVGATTR
MVIS® Russia Index (Price)	MV Russia Idx (Pr)	MVRSX
MVIS® Russia Index (TRN)	MV Russia Idx (TRN)	MVRSXTR
MVIS® Russia Small-Cap Index (Price)	MV Russia SC Idx (Pr)	MVRSXJ
MVIS® Russia Small-Cap Index (TRN)	MV Russia SC Idx (TRN)	MVRSXJTR
MVIS® South Africa Index (Price)	MV South Africa Idx (Pr)	MVZAF
MVIS® South Africa Index (TRN)	MV South Africa Idx (TRN)	MVZAFTR
MVIS® South Korea Index (Price)	MV South Korea Idx (Pr)	MVKOR
MVIS® South Korea Index (TRN)	MV South Korea Idx (TRN)	MVKORTR
MVIS® South Korea Equal Weight Index (Price)	MV South Korea Equal Weight Idx (Pr)	MVKREQ
MVIS® South Korea Equal Weight Index (TRN)	MV South Korea Equal Weight Idx (TRN)	MVKREQTR
MVIS® Thailand Index (Price)	MV Thailand Idx (Pr)	MVTHA
MVIS® Thailand Index (TRN)	MV Thailand Idx (TRN)	MVTHATR
MVIS® Turkey Index (Price)	MV Turkey Idx (Pr)	MVTUR
MVIS® Turkey Index (TRN)	MV Turkey Idx (TRN)	MVTURTR
MVIS® United Arab Emirates Index (Price)	MV UAE Idx (Pr)	MVARE
MVIS® United Arab Emirates Index (TRN)	MV UAE Idx (TRN)	MVARETR
MVIS® United Kingdom Index (Price)	MV UK Idx (Pr)	MVGBR
MVIS® United Kingdom Index (TRN)	MV UK Idx (TRN)	MVGBRTR
MVIS® United Kingdom Equal Weight Index (Price)	MV UK Equal Weight Idx (Pr)	MVGBR
MVIS® United Kingdom Equal Weight Index (TRN)	MV UK Equal Weight Idx (TRN)	MVGBRTR
MVIS® Vietnam Index (Price)	MV Vietnam Idx (Pr)	MVVNM
MVIS® Vietnam Index (TRN)	MV Vietnam Idx (TRN)	MVVNMTR
Solactive-BlueStar® Israel Domestic Exposure Index (Pr)	Sol-BS Israel Dom. Exp. Idx (Price)	IDEI
Solactive-BlueStar® Israel Domestic Exposure Index (TRN)	Sol-BS Israel Dom. Exp. Idx (TRN)	IDEINTR
Solactive-BlueStar® Israel Domestic Exposure Index (TRG)	Sol-BS Israel Dom. Exp. Idx (TRG)	IDEITR
Solactive-BlueStar® Israel Global Exposure Index (Pr)	Sol-BS Israel Glb. Exp. Idx (Price)	IGEI
Solactive-BlueStar® Israel Global Exposure Index (TRN)	Sol-BS Israel Glb. Exp. Idx (TRN)	IGEINTR
Solactive-BlueStar® Israel Global Exposure Index (TRG)	Sol-BS Israel Glb. Exp. Idx (TRG)	IGEITR

8.2 Names and Tickers - Sector Indices

Long Name	Short Name	Symbol
BlueStar® 3D Printing Index (Price)	BS 3D Printing Idx (Pr)	B3DP
BlueStar® 3D Printing Index (TRN)	BS 3D Printing Idx (TRN)	B3DPNTR
BlueStar® 5G Communications Index (Price)	BS 5G Comm. Idx (Pr)	BFIVG
BlueStar® 5G Communications Index (TRN)	BS 5G Comm. Idx (TRN)	BFIVGNTR
BlueStar® 5G Communications Index (TRG)	BS 5G Comm. Idx (TRG)	BFIVGTR
BlueStar® Artificial Intelligence Index (TRN)	BS AI Idx (TRN)	BAINTR
BlueStar® Asia Technology Index (TRN)	BS Asia Tech Idx (TRN)	BSEQNTR
BlueStar® Asia Travel and Vacation Index (Price)	BS Asia Tr.& Vac. Idx (Pr)	BATOR
BlueStar® Asia Travel and Vacation Index (TRN)	BS Asia Tr.& Vac. Idx (TRN)	BATORNTR
BlueStar® Autonomous Driving Index (TRN)	BS Aut. Driving Idx (TRN)	BAUTNTR
BlueStar® Big Data & Analytics Index (Price)	BS Big Data & An. Idx (Pr)	BDATA
BlueStar® Big Data & Analytics Index (TRN)	BS Big Data & An. Idx (TRN)	BDATANTR
BlueStar® Big Data & Analytics Index (TRG)	BS Big Data & An. Idx (TRG)	BDATATR
BlueStar® China Internet Software Index (TRN)	BS China Internet Software Idx (TRN)	BSCHNQNTR
BlueStar® China Mainland Consumer 50 Index (Price)	BS China M. Cons. 50 Idx (Pr)	BCCON
BlueStar® China Mainland Consumer 50 Index (TRN)	BS China M. Cons. 50 Idx (TRN)	BCCONNTR
BlueStar® Data Center and Logistics Real Estate Index (TRN)	BS Data Center and Log. RE Idx (TRN)	BDLRTNTR
BlueStar® Digital Advertising Index (Price)	BS Dig. Adv. Idx (Pr)	BADTQ
BlueStar® Digital Advertising Index (TRN)	BS Dig. Adv. Idx (TRN)	BADTQNTR
BlueStar® E-Brokers and Digital Capital Markets Index (Price)	BS E-Brokers & Dig. Cap. M. Idx (Pr)	BEBKR
BlueStar® E-Brokers and Digital Capital Markets Index (TRN)	BS E-Brokers & Dig. Cap. M. Idx (TRN)	BEBKRNTR

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BlueStar® E-Commerce, Payments and Logistics Index (Price)	BS E-Comm., Payments & Log. Idx (Pr)	BECLG
BlueStar® E-Commerce, Payments and Logistics Index (TRN)	BS E-Comm., Payments & Log. Idx (TRN)	BECLGNTR
BlueStar® E-Commerce US Leaders Index (TRN)	BS E-Comm. US Leaders Idx (TRN)	BECOMNTR
BlueStar® E-Games Index (TRN)	BS E-Games Idx (TRN)	BEGAMNTR
BlueStar® E-Healthcare Index (Price)	BS E-Healthcare Idx (Pr)	BEHC
BlueStar® E-Healthcare Index (TRN)	BS E-Healthcare Idx (TRN)	BEHVNTR
BlueStar® Electric Vehicle Industry Index (Price)	BS El. Vehicle Ind. Idx (Pr)	BEV
BlueStar® Electric Vehicle Industry Index (TRN)	BS El. Vehicle Ind. Idx (TRN)	BEVNTR
BlueStar® Europe Travel and Vacation Index (Price)	BS Eu. Tr. & Vac. Idx (Pr)	BETOR
BlueStar® Europe Travel and Vacation Index (TRN)	BS Eu. Tr. & Vac. Idx (TRN)	BETORNTR
BlueStar® Fintech Index (TRN)	BS Fintech Idx (TRN)	BFNQNTR
BlueStar® Genomic Health Care Index (TRN)	BS Gen. Health Care Idx (TRN)	BDNANTR
BlueStar® Global 5G Connectivity Index (TRN)	BS Glb. 5G Conn. Idx (TRN)	BGFGNTR
BlueStar® Global E-Brokers and Digital Capital Markets Index (Price)	BS Glb. E-Brokers & DCM (Pr) Idx	BBIDS
BlueStar® Global E-Brokers and Digital Capital Markets Index (TRN)	BS Glb. E-Brokers & DCM (TRN) Idx	BBIDSNTR
BlueStar® Global E-Brokers and Digital Capital Markets Index (TRG)	BS Glb. E-Brokers & DCM (TRG) Idx	BBIDSTR
BlueStar® Global GreenTech Index (TRN)	BS Glb. GreenTech Idx (TRN)	BGTQNTR
BlueStar® Global Logistics Index (TRN) (EUR)	BS Glb. Logistics Idx (TRN) (EUR)	BLOGRNTR
BlueStar® Global Logistics Benchmark Index (TRN) (EUR)	BS Glb. Logistics BM Idx (TRN) (EUR)	BLOGTNTR
BlueStar® Hotels, Airlines, and Cruises Index (Price)	BS Hot., Airl. & Cruises Idx (Pr)	BCRUZ
BlueStar® Hotels, Airlines, and Cruises Index (TRN)	BS Hot., Airl. & Cruises Idx (TRN)	BCRUZNTR
BlueStar® Hotels, Airlines, and Cruises Index (TRG)	BS Hot., Airl. & Cruises Idx (TRG)	BCRUZTR
BlueStar® Hydrogen and NextGen Fuel Cell (Price)	BS Hydrogen & NG FC Idx (Pr)	BHDRO
BlueStar® Hydrogen and NextGen Fuel Cell (TRN)	BS Hydrogen & NG FC Idx (TRN)	BHDRONTR
BlueStar® Hydrogen and NextGen Fuel Cell (TRG)	BS Hydrogen & NG FC Idx (TRG)	BHDROTR
BlueStar® Internet Infrastructure Index (Price)	BS Internet Infra. Idx (Pr)	BIINF
BlueStar® Internet Infrastructure Index (TRN)	BS Internet Infra. Idx (TRN)	BIINFNTR
BlueStar® Israel Global Technology Index (Price)	BS Israel Glb. Tech Idx (Pr)	BGTH
BlueStar® Israel Global Technology Index (TRN)	BS Israel Glb. Tech Idx (TRN)	BGTHNTR
BlueStar® Israel Global Technology Index (TRG)	BS Israel Glb. Tech Idx (TRG)	BGTHTR
BlueStar® Israel Global Technology North America Index (Price)	BS Israel Glb. Tech NA Idx (Pr)	BGTNA
BlueStar® Israel Global Technology North America Index (TRN)	BS Israel Glb. Tech NA Idx (TRN)	BGTNANTR
BlueStar® Israel Global Technology North America Index (TRG)	BS Israel Glb. Tech NA Idx (TRG)	BGTNATR
BlueStar® Machine Learning & Quantum Computing Index (TRG)	BS Machine Learn. & Quantum Comp. Idx (TRG)	BQTUMTR
BlueStar® Robotics Index (TRN)	BS Robotics Idx (TRN)	BRBTNTR
BlueStar® Solar Energy Industry Index (TRN)	BS Solar Energy Ind. Idx (TRN)	BSOLRNTR
BlueStar® Top 10 US Banks Index (TRN)	BS Top 10 US Banks Idx (TRN)	BUBNKNTR
BlueStar® Top 10 US Listed Alternative Asset Managers Index (Price)	BS Top 10 US List. Alt. Asset Mgr. Idx (Pr)	BUALT
BlueStar® Top 10 US Listed Alternative Asset Managers Index (TRN)	BS Top 10 US List. Alt. Asset Mgr. Idx (TRN)	BUALTNTR
BlueStar® Top 10 US Listed Alternative Asset Managers Index (TRG)	BS Top 10 US List. Alt. Asset Mgr. Idx (TRG)	BUALTR
BlueStar® Top 10 US Office REITs Index (Price)	BS Top 10 US O. REITs Idx (Pr)	BUORT
BlueStar® Top 10 US Office REITs Index (TRN)	BS Top 10 US O. REITs Idx (TRN)	BUORTNTR
BlueStar® Top 10 US Office REITs Index (TRG)	BS Top 10 US O. REITs Idx (TRG)	BUORTTR
BlueStar® Top 10 US Residential Real Estate Index (Price)	BS Top 10 US R. Real Estate Idx (Pr)	BURRT
BlueStar® Top 10 US Residential Real Estate Index (TRN)	BS Top 10 US R. Real Estate Idx (TRN)	BURRTNTR
BlueStar® Total Security Index (TRN)	BS Tot. Security Idx (TRN)	BTOTNTR
BlueStar® Travel and Vacation Index (TRN)	BS Travel & Vac. Idx (TRN)	BTOURNTR
BlueStar® Travel and Vacation Index (TRG)	BS Travel & Vac. Idx (TRG)	BTOURTR
BlueStar® US Listed E-Brokers and Digital Capital Markets Index (Price)	BS US List. E-Brokers & DCM (Pr) Idx	BUBID
BlueStar® US Listed E-Brokers and Digital Capital Markets Index (TRN)	BS US List. E-Brokers & DCM (TRN) Idx	BUBIDNTR
BlueStar® US Listed E-Brokers and Digital Capital Markets Index (TRG)	BS US List. E-Brokers & DCM (TRG) Idx	BUBIDTR
BlueStar® US Machine Learning and Quantum Computing Index (Price)	BS US Machine Learn. & Quantum Comp. Idx (Pr)	BUQFC

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BlueStar® US Machine Learning and Quantum Computing Index (TRN)	BS US Machine Learn. & Quantum Comp. Idx (TRN)	BUQFCNTR
BlueStar® Wind Energy Industry Index (Price)	BS Wind En. Ind. Idx (Pr)	BWIND
BlueStar® Wind Energy Industry Index (TRN)	BS Wind En. Ind. Idx (TRN)	BWINDNTR
MVIS® Australia A-REITs Index (Price) (AUD)	MV AU A-REITs Idx (Pr) (AUD)	MVMVA
MVIS® Australia A-REITs Index (TRN) (AUD)	MV AU A-REITs Idx (TRN) (AUD)	MVMVATR
MVIS® Australia A-REITs Index (TRG) (AUD)	MV AU A-REITs Idx (TRG) (AUD)	MVMVATRG
MVIS® Australia Banks Index (Price) (AUD)	MV AU Banks Idx (Pr) (AUD)	MVMVB
MVIS® Australia Banks Index (TRN) (AUD)	MV AU Banks Idx (TRN) (AUD)	MVMVBTR
MVIS® Australia Banks Index (TRG) (AUD)	MV AU Banks Idx (TRG) (AUD)	MVMVBTRG
MVIS® Digital India Index (Price)	MV Dig India Idx (Pr)	MVDIND
MVIS® Digital India Index (TRN)	MV Dig India Idx (TRN)	MVDINDTR
MVIS® Global Digital Assets Equity Index (Price)	MV Glb DA Equity Idx (Pr)	MVDAPP
MVIS® Global Digital Assets Equity Index (TRN)	MV Glb DA Equity Idx (TRN)	MVDAPPTR
MVIS® Global Digital Assets Mining Index (Price)	MV Glb DA Mining Idx (Pr)	MVDAM
MVIS® Global Digital Assets Mining Index (TRN)	MV Glb DA Mining Idx (TRN)	MVDAMTR
MVIS® Global Future Healthcare ESG Index (Price)	MV Glb. Future Healthcare ESG Idx (Pr)	MVFHC
MVIS® Global Future Healthcare ESG Index (TRN)	MV Glb. Future Healthcare ESG Idx (TRN)	MVFHCTR
MVIS® Global Future of Food Index (Price)	MV Glb. Future Food ESG Idx (Pr)	MVFOF
MVIS® Global Future of Food Index (TRN)	MV Glb. Future Food ESG Idx (TRN)	MVFOFTR
MVIS® Global Gaming Index (Price)	MV Glb. Gaming Idx (Pr)	MVBJK
MVIS® Global Gaming Index (TRN)	MV Glb. Gaming Idx (TRN)	MVBJKTR
MVIS® Global Hydrogen Economy ESG Index (Price)	MV Glb. Hydrogen ESG Idx (Pr)	MVHTWO
MVIS® Global Hydrogen Economy ESG Index (TRN)	MV Glb. Hydrogen ESG Idx (TRN)	MVHTWOTR
MVIS® Global Low Carbon Energy Index (Price)	MV Glb. Low Carbon En. Idx (Pr)	MVSMOG
MVIS® Global Low Carbon Energy Index (TRN)	MV Glb. Low Carbon En. Idx (TRN)	MVSMOGTR
MVIS® Global Space Industry ESG Index (Price)	MV Glb. Space ESG Idx (Pr)	MVSPC
MVIS® Global Space Industry ESG Index (TRN)	MV Glb. Space ESG Idx (TRN)	MVSPCTR
MVIS® Global Video Gaming & eSports Index (Price)	MV Glb. Vid Game & eSports Idx (Pr)	MVESPO
MVIS® Global Video Gaming & eSports Index (TRN)	MV Glb. Vid Game & eSports Idx (TRN)	MVESPOTR
MVIS® Global Video Gaming & eSports Index (Price) (AUD)	MV Glb. Vid Game & eSports Idx (Pr) (AUD)	MVESPOA
MVIS® Global Video Gaming & eSports Index (TRN) (AUD)	MV Glb. Vid Game & eSports Idx (TRN) (AUD)	MVESPOAT
MVIS® US Business Development Companies Index (Price)	MV US Biz Dev. Comp. Idx (Pr)	MVBIZD
MVIS® US Business Development Companies Index (TRN)	MV US Biz Dev. Comp. Idx (TRN)	MVBIZDTR
MVIS® US Business Development Companies Index (TRG)	MV US Biz Dev. Comp. Idx (TRG)	MVBIZDTRG
MVIS® US Listed Biotech 25 Index (Price)	MV US List. Biotech 25 Idx (Pr)	MVBBH
MVIS® US Listed Biotech 25 Index (TRN)	MV US List. Biotech 25 Idx (TRN)	MVBBHTR
MVIS® US Listed Biotech 25 Index (TRG)	MV US List. Biotech 25 Idx (TRG)	MVBBHTRG
MVIS® US Listed Pharmaceutical 25 Index (Price)	MV US List. Pharma 25 Idx (Pr)	MVPPH
MVIS® US Listed Pharmaceutical 25 Index (TRN)	MV US List. Pharma 25 Idx (TRN)	MVPPHTR
MVIS® US Listed Pharmaceutical 25 Index (TRG)	MV US List. Pharma 25 Idx (TRG)	MVPPHTRG
MVIS® US Listed Retail 25 Index (Price)	MV US List. Retail 25 Idx (Pr)	MVRTH
MVIS® US Listed Retail 25 Index (TRN)	MV US List. Retail 25 Idx (TRN)	MVRTHTR
MVIS® US Listed Retail 25 Index (TRG)	MV US List. Retail 25 Idx (TRG)	MVRTHTRG
MVIS® US Listed Semiconductor 10% Capped Index (Price)	MV US List. Semiconductor 10% Idx (Pr)	MVSMC
MVIS® US Listed Semiconductor 10% Capped Index (TRN)	MV US List. Semiconductor 10% Idx (TRN)	MVSMCTR
MVIS® US Listed Semiconductor 10% Capped Index (TRG)	MV US List. Semiconductor 10% Idx (TRG)	MVSMCTRIG
MVIS® US Listed Semiconductor 25 Index (Price)	MV US List. Semiconductor 25 Idx (Pr)	MVSMH
MVIS® US Listed Semiconductor 25 Index (TRN)	MV US List. Semiconductor 25 Idx (TRN)	MVSMHTR
MVIS® US Listed Semiconductor 25 Index (TRG)	MV US List. Semiconductor 25 Idx (TRG)	MVSMHTRG
MVIS® US Mortgage REITs Index (Price)	MV US Mortgage REITs Idx (Pr)	MVMORT
MVIS® US Mortgage REITs Index (TRN)	MV US Mortgage REITs Idx (TRN)	MVMORTTR
MVIS® US Mortgage REITs Index (TRG)	MV US Mortgage REITs Idx (TRG)	MVMORTTRG

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8.3 Names and Tickers - Hard Assets Indices

Long Name	Short Name	Symbol
BlueStar® Agribusiness 50 Index (Price)	BS Agribusiness 50 Idx (Pr)	BMOO
BlueStar® Agribusiness 50 Index (TRN)	BS Agribusiness 50 Idx (TRN)	BMOONTR
BlueStar® Asia-Pacific Commodities Index (Price)	BS AP Commodities Idx (Pr)	BACOM
BlueStar® Asia-Pacific Commodities Index (TRN)	BS AP Commodities Idx (TRN)	BACOMNTR
MVIS® Australia Resources Index (Price) (AUD)	MV AU Resources Idx (Pr) (AUD)	MVMVR
MVIS® Australia Resources Index (TRN) (AUD)	MV AU Resources Idx (TRN) (AUD)	MVMVRTR
MVIS® Australia Resources Index (TRG) (AUD)	MV AU Resources Idx (TRG) (AUD)	MVMVRTRG
MVIS® Global Agribusiness Index (Price)	MV Glb. Agribusiness Idx (Pr)	MVMOO
MVIS® Global Agribusiness Index (TRN)	MV Glb. Agribusiness Idx (TRN)	MVMOOTR
MVIS® Global Clean-Tech Metals Index (Price)	MV Glb. CTech Metals Idx (Pr)	MVGMET
MVIS® Global Clean-Tech Metals Index (TRN)	MV Glb. CTech Metals Idx (TRN)	MVGMETTR
MVIS® Global Clean-Tech Metals ex-China Index (Price)	MV Glb. CTech Metals ex-China Idx (Pr)	MVGMXC
MVIS® Global Clean-Tech Metals ex-China Index (TRN)	MV Glb. CTech Metals ex-China Idx (TRN)	MVGMXCTR
MVIS® Global Junior Gold Miners Index (Price)	MV Glb. Jr. Gold Miners Idx (Pr)	MVGDXJ
MVIS® Global Junior Gold Miners Index (TRN)	MV Glb. Jr. Gold Miners Idx (TRN)	MVGDXJTR
MVIS® Global Oil Refiners Index (Price)	MV Glb. Oil Refiners Idx (Pr)	MVCRAK
MVIS® Global Oil Refiners Index (TRN)	MV Glb. Oil Refiners Idx (TRN)	MVCRAKTR
MVIS® Global Rare Earth/Strategic Metals Index (Price)	MV Glb. Rare Earth Idx (Pr)	MVREMX
MVIS® Global Rare Earth/Strategic Metals Index (TRN)	MV Glb. Rare Earth Idx (TRN)	MVREMXTR
MVIS® Global Uranium & Nuclear Energy (Price)	MV Glb. Uranium & Nuclear Idx (Pr)	MVNLR
MVIS® Global Uranium & Nuclear Energy (TRN)	MV Glb. Uranium & Nuclear Idx (TRN)	MVNLRTR
MVIS® North America Energy Infrastructure Index (Price)	MV NA Energy Infra Idx (Pr)	MVEINC
MVIS® North America Energy Infrastructure Index (TRN)	MV NA Energy Infra Idx(TRN)	MVEINCTR
MVIS® North America Energy Infrastructure Index (TRG)	MV NA Energy Infra Idx(TRG)	MVEINCTG
MVIS® US Listed Oil Services 25 Index (Price)	MV US List. Oil Serv. 25 Idx (Pr)	MVOIH
MVIS® US Listed Oil Services 25 Index (TRN)	MV US List. Oil Serv. 25 Idx (TRN)	MVOIHTR
MVIS® US Listed Oil Services 25 Index (TRG)	MV US List. Oil Serv. 25 Idx (TRG)	MVOIHTRG

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8.4 Launch Dates and Base Values - Country and Regional Indices

Name	Launch Date	Base Value	Base Date
BlueStar® Israel Global Index (Price)	31 August 2011	100.00	29 December 2000
BlueStar® Israel Global Index (TRN)	31 August 2011	100.00	29 December 2000
BlueStar® Israel Global Index	31 August 2011	100.00	29 December 2000
BlueStar® Israel Global Total Investable Market Index (Price)	31 May 2015	100.00	31 December 2008
BlueStar® Israel Global Total Investable Market Index (TRN)	31 May 2015	100.00	31 December 2008
BlueStar® Israel Global Total Investable Market Index (TRG)	31 May 2015	100.00	31 December 2008
MVIS® Australia Index (Price) (AUD)	29 November 2013	1000.00	31 December 2002
MVIS® Australia Index (TRN) (AUD)	29 November 2013	1000.00	31 December 2002
MVIS® Australia Index (TRG) (AUD)	29 November 2013	1000.00	31 December 2002
MVIS® Australia Equal Weight Index (Price) (AUD)	29 November 2013	1000.00	31 December 2002
MVIS® Australia Equal Weight Index (TRN) (AUD)	29 November 2013	1000.00	31 December 2002
MVIS® Australia Equal Weight Index (TRG) (AUD)	29 November 2013	1000.00	31 December 2002
MVIS® Australia Uncapped Index (Price) (AUD)	29 November 2013	1000.00	31 December 2002
MVIS® Australia Uncapped Index (TRN) (AUD)	29 November 2013	1000.00	31 December 2002
MVIS® Australia Uncapped Index (TRG) (AUD)	29 November 2013	1000.00	31 December 2002
MVIS® Australia Small-Cap Index (Price) (AUD)	21 December 2012	1000.00	29 December 2006
MVIS® Australia Small-Cap Index (TRN) (AUD)	21 December 2012	1000.00	29 December 2006
MVIS® Australia Small-Cap Index (TRG) (AUD)	21 February 2013	1000.00	29 December 2006
MVIS® Australia Small-Cap Dividend Payers Index (Price) (AUD)	23 March 2015	1000.00	31 December 2009
MVIS® Australia Small-Cap Dividend Payers Index (TRN) (AUD)	23 March 2015	1000.00	31 December 2009
MVIS® Australia Small-Cap Dividend Payers Index (TRG) (AUD)	23 March 2015	1000.00	31 December 2009
MVIS® Brazil Index (Price)	14 July 2010	1000.00	30 December 2004
MVIS® Brazil Index (TRN)	14 July 2010	1000.00	30 December 2004
MVIS® Brazil Small-Cap Index (Price)	01 May 2009	1000.00	30 December 2005
MVIS® Brazil Small-Cap Index (TRN)	01 May 2009	1000.00	30 December 2005
MVIS® Chile Index (Price)	14 July 2010	1000.00	30 December 2004
MVIS® Chile Index (TRN)	14 July 2010	1000.00	30 December 2004
MVIS® Colombia Index (Price)	10 March 2011	1000.00	28 December 2007
MVIS® Colombia Index (TRN)	10 March 2011	1000.00	28 December 2007
MVIS® Egypt Index (Price)	03 December 2009	1000.00	29 December 2005
MVIS® Egypt Index (TRN)	03 December 2009	1000.00	29 December 2005
MVIS® GDP Africa Index (Price)	15 May 2012	1000.00	29 December 2006
MVIS® GDP Africa Index (TRN)	15 May 2012	1000.00	29 December 2006
MVIS® Germany Index (Price)	01 June 2017	1000.00	29 December 2006
MVIS® Germany Index (TRN)	01 June 2017	1000.00	29 December 2006
MVIS® Germany Equal Weight Index (Price)	01 June 2017	1000.00	29 December 2006
MVIS® Germany Equal Weight Index (TRN)	01 June 2017	1000.00	29 December 2006
MVIS® India Index (Price)	14 July 2010	1000.00	30 December 2004
MVIS® India Index (TRN)	14 July 2010	1000.00	30 December 2004
MVIS® Indonesia Index (Price)	24 November 2008	1000.00	31 December 2002
MVIS® Indonesia Index (TRN)	24 November 2008	1000.00	31 December 2002
MVIS® Japan Index (Price)	01 June 2017	1000.00	29 December 2006
MVIS® Japan Index (TRN)	01 June 2017	1000.00	29 December 2006
MVIS® Japan Equal Weight Index (Price)	01 June 2017	1000.00	29 December 2006
MVIS® Japan Equal Weight Index (TRN)	01 June 2017	1000.00	29 December 2006
MVIS® Kuwait Index (Price)	12 December 2009	1000.00	30 June 2004
MVIS® Kuwait Index (TRN)	12 December 2009	1000.00	30 June 2004
MVIS® Malaysia Index (Price)	14 July 2010	1000.00	30 December 2004
MVIS® Malaysia Index (TRN)	14 July 2010	1000.00	30 December 2004
MVIS® Mexico Index (Price)	14 July 2010	1000.00	30 December 2004
MVIS® Mexico Index (TRN)	14 July 2010	1000.00	30 December 2004
MVIS® Mexico Equal Weight Index (Price)	01 June 2017	1000.00	29 December 2006
MVIS® Mexico Equal Weight Index (TRN)	01 June 2017	1000.00	29 December 2006
MVIS® Pakistan Index (Price)	14 July 2010	1000.00	30 June 2006
MVIS® Pakistan Index (TRN)	14 July 2010	1000.00	30 June 2006
MVIS® Philippines Index (Price)	14 July 2010	1000.00	28 December 2007
MVIS® Philippines Index (TRN)	14 July 2010	1000.00	28 December 2007
MVIS® Poland Index (Price)	16 October 2009	1000.00	30 December 2005

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MVIS® Poland Index (TRN)	16 October 2009	1000.00	30 December 2005
MVIS® Qatar Index (Price)	14 July 2010	1000.00	30 June 2008
MVIS® Qatar Index (TRN)	14 July 2010	1000.00	30 June 2008
MVIS® Russia Index (Price)	14 July 2010	1000.00	28 September 2007
MVIS® Russia Index (TRN)	14 July 2010	1000.00	28 September 2007
MVIS® Russia Small-Cap Index (Price)	08 March 2011	1000.00	28 December 2007
MVIS® Russia Small-Cap Index (TRN)	08 March 2011	1000.00	28 December 2007
MVIS® South Africa Index (Price)	14 July 2010	1000.00	30 December 2004
MVIS® South Africa Index (TRN)	14 July 2010	1000.00	30 December 2004
MVIS® South Korea Index (Price)	01 June 2017	1000.00	29 December 2006
MVIS® South Korea Index (TRN)	01 June 2017	1000.00	29 December 2006
MVIS® South Korea Equal Weight Index (Price)	01 June 2017	1000.00	29 December 2006
MVIS® South Korea Equal Weight Index (TRN)	01 June 2017	1000.00	29 December 2006
MVIS® Thailand Index (Price)	14 July 2010	1000.00	30 December 2004
MVIS® Thailand Index (TRN)	14 July 2010	1000.00	30 December 2004
MVIS® Turkey Index (Price)	14 July 2010	1000.00	30 December 2004
MVIS® Turkey Index (TRN)	14 July 2010	1000.00	30 December 2004
MVIS® United Arab Emirates Index (Price)	14 July 2010	1000.00	31 March 2006
MVIS® United Arab Emirates Index (TRN)	14 July 2010	1000.00	31 March 2006
MVIS® United Kingdom Index (Price)	01 June 2017	1000.00	29 December 2006
MVIS® United Kingdom Index (TRN)	01 June 2017	1000.00	29 December 2006
MVIS® United Kingdom Equal Weight Index (Price)	01 June 2017	1000.00	29 December 2006
MVIS® United Kingdom Equal Weight Index (TRN)	01 June 2017	1000.00	29 December 2006
MVIS® Vietnam Index (Price)	24 November 2008	1000.00	15 December 2006
MVIS® Vietnam Index (TRN)	24 November 2008	1000.00	15 December 2006
Solactive-BlueStar® Israel Domestic Exposure Index (Price)	29 January 2016	1000.00	30 December 2008
Solactive-BlueStar® Israel Domestic Exposure Index (TRN)	29 January 2016	1000.00	30 December 2008
Solactive-BlueStar® Israel Domestic Exposure Index (TRG)	29 January 2016	1000.00	30 December 2008
Solactive-BlueStar® Israel Global Exposure Index (Price)	29 January 2016	1000.00	30 December 2008
Solactive-BlueStar® Israel Global Exposure Index (TRN)	29 January 2016	1000.00	30 December 2008
Solactive-BlueStar® Israel Global Exposure Index (TRG)	29 January 2016	1000.00	30 December 2008

8.5 Launch Dates and Base Values - Sector Indices

Name	Launch Date	Base Value	Base Date
BlueStar® 3D Printing Index (Price)	12 May 2021	100.00	29 December 2017
BlueStar® 3D Printing Index (TRN)	12 May 2021	100.00	29 December 2017
BlueStar® 5G Communications Index (Price)	05 February 2021	100.00	30 December 2016
BlueStar® 5G Communications Index (TRN)	05 February 2021	100.00	30 December 2016
BlueStar® 5G Communications Index (TRG)	10 January 2019	100.00	30 December 2016
BlueStar® Artificial Intelligence Index (TRN)	26 March 2018	100.00	31 December 2012
BlueStar® Asia Technology Index (TRN)	13 August 2018	100.00	29 June 2013
BlueStar® Asia Travel and Vacation Index (Price)	24 June 2021	100.00	31 December 2015
BlueStar® Asia Travel and Vacation Index (TRN)	24 June 2021	100.00	31 December 2015
BlueStar® Autonomous Driving Index (TRN)	10 May 2018	100.00	28 December 2012
BlueStar® BlueStar Big Data & Analytics Index (Price)	09 March 2021	100.00	31 December 2015
BlueStar® BlueStar Big Data & Analytics Index (TRN)	09 March 2021	100.00	31 December 2015
BlueStar® BlueStar Big Data & Analytics Index (TRG)	09 March 2021	100.00	31 December 2015
BlueStar® China Internet Software Index (TRN)	13 August 2018	100.00	29 June 2013
BlueStar® China Mainland Consumer 50 Index (Price)	24 June 2021	100.00	31 December 2015
BlueStar® China Mainland Consumer 50 Index (TRN)	24 June 2021	100.00	31 December 2015
BlueStar® Data Center and Logistics Real Estate Index (TRN)	05 August 2019	100.00	31 December 2013
BlueStar® Digital Advertising Index (Price)	28 December 2021	100.00	31 December 2015
BlueStar® Digital Advertising Index (TRN)	28 December 2021	100.00	31 December 2015
BlueStar® E-Brokers and Digital Capital Markets Index (Price)	30 March 2021	100.00	29 December 2017
BlueStar® E-Brokers and Digital Capital Markets Index (TRN)	30 March 2021	100.00	29 December 2017
BlueStar® E-Commerce, Payments and Logistics Index (Price)	01 March 2021	100.00	29 December 2006
BlueStar® E-Commerce, Payments and Logistics Index (TRN)	01 March 2021	100.00	29 December 2006
BlueStar® E-Commerce US Leaders Index (TRN)	11 September 2018	100.00	28 December 2012
BlueStar® E-Games Index (TRN)	05 October 2018	100.00	29 December 2014

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BlueStar® E-Healthcare Index(TRN)	22 January 2021	100.00	31 December 2015
BlueStar® E-Healthcare Index(TRN)	22 January 2021	100.00	31 December 2015
BlueStar® Electric Vehicle Industry Index (Price)	19 January 2021	100.00	29 December 2017
BlueStar® Electric Vehicle Industry Index (TRN)	19 January 2021	100.00	29 December 2017
BlueStar® Europe Travel and Vacation Index (Price)	12 May 2021	100.00	31 December 2015
BlueStar® Europe Travel and Vacation Index (TRN)	12 May 2021	100.00	31 December 2015
BlueStar® Fintech Index (TRN)	07 November 2017	100.00	29 June 2012
BlueStar® Genomic Health Care Index (TRN)	22 May 2020	100.00	31 December 2015
BlueStar® Global 5G Connectivity Index (TRN)	26 July 2019	100.00	15 December 2015
BlueStar® Global E-Brokers and Digital Capital Markets Index (Price)	23 August 2021	100.00	31 December 2019
BlueStar® Global E-Brokers and Digital Capital Markets Index (TRN)	23 August 2021	100.00	31 December 2019
BlueStar® Global E-Brokers and Digital Capital Markets Index (TRG)	23 August 2021	100.00	31 December 2019
BlueStar® Global GreenTech Index (TRN)	06 July 2020	100.00	30 December 2016
BlueStar® Global Logistics Index (TRN) (EUR)	23 October 2020	100.00	29 December 2006
BlueStar® Global Logistics Benchmark Index (TRN) (EUR)	13 October 2020	100.00	29 December 2006
BlueStar® Hotels, Airlines, and Cruises Index (Price)	01 June 2021	1000.00	31 December 2017
BlueStar® Hotels, Airlines, and Cruises Index (TRN)	01 June 2021	1000.00	31 December 2017
BlueStar® Hotels, Airlines, and Cruises Index (TRG)	01 June 2021	1000.00	31 December 2017
BlueStar® BlueStar Hydrogen and NextGen Fuel Cell (Price)	09 March 2021	100.00	19 June 2020
BlueStar® BlueStar Hydrogen and NextGen Fuel Cell (TRN)	09 March 2021	100.00	19 June 2020
BlueStar® BlueStar Hydrogen and NextGen Fuel Cell (TRG)	09 March 2021	100.00	19 June 2020
BlueStar® Internet Infrastructure Index (Price)	28 December 2021	100.00	30 December 2016
BlueStar® Internet Infrastructure Index (TRN)	28 December 2021	100.00	30 December 2016
BlueStar® Israel Global Technology Index (Price)	31 January 2014	100.00	31 December 2003
BlueStar® Israel Global Technology Index (TRN)	31 January 2014	100.00	31 December 2003
BlueStar® Israel Global Technology Index (TRG)	31 January 2014	100.00	31 December 2003
BlueStar® Israel Global Technology North America Index (Price)	19 April 2021	100.00	17 December 2020
BlueStar® Israel Global Technology North America Index (TRN)	19 April 2021	100.00	17 December 2020
BlueStar® Israel Global Technology North America Index (TRG)	19 April 2021	100.00	17 December 2020
BlueStar® Machine Learning & Quantum Computing Index (TRG)	07 June 2018	100.00	18 December 2015
BlueStar® Robotics Index (TRN)	29 January 2018	100.00	29 June 2012
BlueStar® Solar Energy Industry Index (TRN)	09 March 2020	100.00	31 December 2014
BlueStar® Top 10 US Banks Index (TRN)	20 July 2020	100.00	30 June 2015
BlueStar® Top 10 US Listed Alternative Asset Managers Index (Price)	24 August 2021	100.00	31 December 2015
BlueStar® Top 10 US Listed Alternative Asset Managers Index (TRN)	24 August 2021	100.00	31 December 2015
BlueStar® Top 10 US Listed Alternative Asset Managers Index (TRG)	24 August 2021	100.00	31 December 2015
BlueStar® Top 10 US Office REITs Index (Price)	24 August 2021	100.00	31 December 2015
BlueStar® Top 10 US Office REITs Index (TRN)	24 August 2021	100.00	31 December 2015
BlueStar® Top 10 US Office REITs Index (TRG)	24 August 2021	100.00	31 December 2015
BlueStar® Top 10 Residential Real Estate Index (Price)	28 January 2022	100.00	31 December 2015
BlueStar® Top 10 Residential Real Estate Index (TRN)	28 January 2022	100.00	31 December 2015
BlueStar® Total Security Index (TRN)	08 July 2019	100.00	31 December 2015
BlueStar® Travel and Vacation Index (TRN)	13 May 2019	100.00	31 December 2015
BlueStar® Travel and Vacation Index (TRG)	05 February 2021	100.00	31 December 2015
BlueStar® US Listed E-Brokers and Digital Capital Markets Index (Price)	10 November 2021	100.00	31 December 2019
BlueStar® US Listed E-Brokers and Digital Capital Markets Index (TRN)	10 November 2021	100.00	31 December 2019
BlueStar® US Listed E-Brokers and Digital Capital Markets Index (TRG)	10 November 2021	100.00	31 December 2019
BlueStar® US Machine Learning & Quantum Computing Index (Price)	08 March 2021	100.00	18 December 2015
BlueStar® US Machine Learning & Quantum Computing Index (TRN)	08 March 2021	100.00	18 December 2015
BlueStar® Wind Energy Industry Index (Price)	23 March 2021	100.00	31 December 2014
BlueStar® Wind Energy Industry Index (TRN)	23 March 2021	100.00	31 December 2014
MVIS® Australia A-REITs Index (Price) (AUD)	21 December 2012	1000.00	29 December 2006
MVIS® Australia A-REITs Index (TRN) (AUD)	21 December 2012	1000.00	29 December 2006
MVIS® Australia A-REITs Index (TRG) (AUD)	21 February 2013	1000.00	29 December 2006

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MVIS® Australia Banks Index (Price) (AUD)	21 December 2012	1000.00	29 December 2006
MVIS® Australia Banks Index (TRN) (AUD)	21 December 2012	1000.00	29 December 2006
MVIS® Australia Banks Index (TRG) (AUD)	21 February 2013	1000.00	29 December 2006
MVIS® Digital India Index (Price)	28 December 2021	1000.00	31 December 2015
MVIS® Digital India Index (TRN)	28 December 2021	1000.00	31 December 2015
MVIS® Global Digital Assets Equity Index (Price)	08 March 2021	1000.00	26 February 2021
MVIS® Global Digital Assets Equity Index (TRN)	08 March 2021	1000.00	26 February 2021
MVIS® Global Digital Assets Mining Index (Price)	28 December 2021	1000.00	17 December 2021
MVIS® Global Digital Assets Mining Index (TRN)	28 December 2021	1000.00	17 December 2021
MVIS® Global Future Healthcare ESG Index (Price)	06 December 2021	1000.00	31 December 2020
MVIS® Global Future Healthcare ESG Index (TRN)	06 December 2021	1000.00	31 December 2020
MVIS® Global Future of Food ESG Index (Price)	09 September 2021	1000.00	31 December 2019
MVIS® Global Future of Food ESG Index (TRN)	09 September 2021	1000.00	31 December 2019
MVIS® Global Gaming Index (Price)	08 May 2012	1000.00	29 December 2006
MVIS® Global Gaming Index (TRN)	08 May 2012	1000.00	29 December 2006
MVIS® Global Hydrogen Economy ESG Index (Price)	22 December 2020	1000.00	15 December 2020
MVIS® Global Hydrogen Economy ESG Index (TRN)	22 December 2020	1000.00	15 December 2020
MVIS® Global Low Carbon Energy Index (Price)	23 February 2021	1000.00	31 December 2015
MVIS® Global Low Carbon Energy Index (TRN)	23 February 2021	1000.00	31 December 2015
MVIS® Global Space Industry ESG Index (Price)	31 August 2021	1000.00	31 December 2019
MVIS® Global Space Industry ESG Index (TRN)	31 August 2021	1000.00	31 December 2019
MVIS® Global Video Gaming & eSports Index (Price)	16 July 2018	1000.00	31 December 2014
MVIS® Global Video Gaming & eSports Index (TRN)	16 July 2018	1000.00	31 December 2014
MVIS® Global Video Gaming & eSports Index (Price) (AUD)	13 August 2020	1000.00	31 December 2014
MVIS® Global Video Gaming & eSports Index (TRN) (AUD)	13 August 2020	1000.00	31 December 2014
MVIS® US Business Development Companies Index (Price)	04 August 2011	1000.00	29 June 2007
MVIS® US Business Development Companies Index (TRN)	04 August 2011	1000.00	29 June 2007
MVIS® US Business Development Companies Index (TRG)	07 February 2013	1000.00	29 June 2007
MVIS® US Listed Biotech 25 Index (Price)	12 August 2011	1000.00	29 September 2000
MVIS® US Listed Biotech 25 Index (TRN)	12 August 2011	1000.00	29 September 2000
MVIS® US Listed Biotech 25 Index (TRG)	13 February 2013	1000.00	11 August 2011
MVIS® US Listed Pharmaceutical 25 Index (Price)	12 August 2011	1000.00	29 September 2000
MVIS® US Listed Pharmaceutical 25 Index (TRN)	12 August 2011	1000.00	29 September 2000
MVIS® US Listed Pharmaceutical 25 Index (TRG)	13 February 2013	1000.00	11 August 2011
MVIS® US Listed Retail 25 Index (Price)	12 August 2011	1000.00	29 September 2000
MVIS® US Listed Retail 25 Index (TRN)	12 August 2011	1000.00	29 September 2000
MVIS® US Listed Retail 25 Index (TRG)	13 February 2013	1000.00	11 August 2011
MVIS® US Listed Semiconductor 10% Capped Index (Price)	13 August 2020	1000.00	31 December 2011
MVIS® US Listed Semiconductor 10% Capped Index (TRN)	13 August 2020	1000.00	31 December 2011
MVIS® US Listed Semiconductor 10% Capped Index (TRG)	13 August 2020	1000.00	31 December 2011
MVIS® US Listed Semiconductor 25 Index (Price)	12 August 2011	1000.00	29 September 2000
MVIS® US Listed Semiconductor 25 Index (TRN)	12 August 2011	1000.00	29 September 2000
MVIS® US Listed Semiconductor 25 Index (TRG)	13 February 2013	1000.00	11 August 2011
MVIS® US Mortgage REITs Index (Price)	04 August 2011	1000.00	30 December 2004
MVIS® US Mortgage REITs Index (TRN)	04 August 2011	1000.00	30 December 2004
MVIS® US Mortgage REITs Index (TRG)	07 February 2013	1000.00	02 August 2011

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8.6 Launch Dates and Base Values - Hard Assets Indices

Name	Launch Date	Base Value	Base Date
BlueStar® Agribusiness 50 Index (Price)	03 May 2021	100.00	31 December 2015
BlueStar® Agribusiness 50 Index (TRN)	03 May 2021	100.00	31 December 2015
BlueStar® Asia-Pacific Commodities Index (Price)	24 June 2021	100.00	31 December 2015
BlueStar® Asia-Pacific Commodities Index (TRN)	24 June 2021	100.00	31 December 2015
MVIS® Australia Resources Index (Price) (AUD)	21 December 2012	1000.00	29 December 2006
MVIS® Australia Resources Index (TRN) (AUD)	21 December 2012	1000.00	29 December 2006
MVIS® Australia Resources Index (TRG) (AUD)	21 February 2013	1000.00	29 December 2006
MVIS® Global Agribusiness Index (Price)	18 July 2012	1000.00	29 December 2006
MVIS® Global Agribusiness Index (TRN)	18 July 2012	1000.00	29 December 2006
MVIS® Global Clean-Tech Metals Index (Price)	02 November 2021	1000.00	31 December 2015
MVIS® Global Clean-Tech Metals Index (TRN)	02 November 2021	1000.00	31 December 2015
MVIS® Global Clean-Tech Metals ex-China Index (Price)	28 January 2022	1000.00	31 December 2015
MVIS® Global Clean-Tech Metals ex-China Index (TRN)	28 January 2022	1000.00	31 December 2015
MVIS® Global Junior Gold Miners Index (Price)	31 August 2009	1000.00	31 December 2003
MVIS® Global Junior Gold Miners Index (TRN)	31 August 2009	1000.00	31 December 2003
MVIS® Global Oil Refiners Index (Price)	21 May 2015	1000.00	31 December 2005
MVIS® Global Oil Refiners Index (TRN)	21 May 2015	1000.00	31 December 2005
MVIS® Global Rare Earth/Strategic Metals Index (Price)	13 October 2010	1000.00	28 December 2007
MVIS® Global Rare Earth/Strategic Metals Index (TRN)	13 October 2010	1000.00	28 December 2007
MVIS® Global Uranium & Nuclear Energy (Price)	18 July 2012	1000.00	29 December 2006
MVIS® Global Uranium & Nuclear Energy (TRN)	18 July 2012	1000.00	29 December 2006
MVIS® North America Energy Infrastructure Index (Price)	16 October 2019	1000.00	31 December 2013
MVIS® North America Energy Infrastructure Index (TRN)	16 October 2019	1000.00	31 December 2013
MVIS® North America Energy Infrastructure Index (TRG)	16 October 2019	1000.00	31 December 2013
MVIS® US Listed Oil Services 25 Index (Price)	12 August 2011	1000.00	29 September 2000
MVIS® US Listed Oil Services 25 Index (TRN)	12 August 2011	1000.00	29 September 2000
MVIS® US Listed Oil Services 25 Index (TRG)	13 February 2013	1000.00	11 August 2011

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8.7 Changes to the Index Guide

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

Date	IG Version	Change
18 June 2018	5.71	Bombay Stock Exchange ineligible for India Indices
16 July 2018	5.72	Addition/Launch of MVESPO
24 August 2018	5.73	Clarification of Universe for MVMVA
12 September 2018	5.74	Inclusion of additional chapters to comply with BMR
30 November 2018	5.75	Removal of replacement rule for US listed indices, decommission of MVLGOS and MVSLX
23 August 2019	5.76	Removal of Argentina ineligibility
16 October 2019	5.77	Addition/Launch of MVEINC
20 November 2019	5.78	Dissemination of 3 decimals for MVMORT[TR/TG]
13 August 2020	5.79	Inclusion of MVESPOA and MVSMC, removal of MVSCIF
20 August 2020	5.80	Dissemination of 3 decimals for MVBIZD[TR/TG]
22 September 2020	5.81	Ineligibility of cannabis/marijuana stocks
23 October 2020	5.82	Inclusion of BLOGTNTR and BLOGRNTR
09 December 2020	5.83	Inclusion of BlueStar Indexes®
22 December 2020	5.84	Inclusion of MVHTWO
19 January 2021	5.85	Inclusion of BEV, clarification of MVHTWO universe
22 January 2021	5.86	Inclusion of BEHC
29 January 2021	5.87	Removal of MVKOL
05 February 2021	5.88	Inclusion of BFIVG, BFIVGNTR, BTOURTR
23 February 2021	5.89	Inclusion of MVSMOG
01 March 2021	5.90	Inclusion of BECLG
08 March 2021	5.91	Inclusion of MVDAPP and BUQFC
09 March 2021	5.92	Inclusion of BHDRO and BDATA
19 March 2021	5.93	Inclusion of SPAC treatment (like for IPOs), Clarification of eligibility based on assets for MVDAPP
23 March 2021	5.94	Inclusion of BWIND
30 March 2021	5.95	Inclusion of BEBKR
31 March 2021	5.96	Removal of BLSSDNTR, BLSSVNTR, BJAAITR, BJBOTTR, BFUTLNTR, BBLKNTR, BSAHNTR
19 April 2021	5.97	Inclusion of BGTA
28 April 2021	5.98	BECLG eligibility (maximum trade size), new index history
03 May 2021	5.99	Inclusion of BMOO
12 May 2021	6.00	Inclusion of B3DP, BETOR
17 May 2021	6.01	Inclusion of BTOUR price index
21 May 2021	6.02	Clarification of eligibility for BQTUM and BEBKR Removal of BIOTUNTR
01 June 2021	6.03	Inclusion of BCRUZ, Removal of BAUGTR and BFOODTR, Changes for BlueStar branded Indices (as announced in details on 12 April 2021):

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		<ul style="list-style-type: none"> - Standardised cut-off date, - Liquidity: standardised ADTV criterion/liquidity overlay, removal of bid-ask spread, minimum monthly volume, - Eligibility changing from currencies to resp. exchanges, - Standardised IPO rule, - Standardised holiday calendar, - Standardised free float rule, - Individual eligibility changes as announced for BSEAQNTR, BCHNQNTR, BDLRTNTR, BECOMNTR, BDNANTR, BGTQNTR, BQTUMTR, BSOLRNTR, BWIND, - Individual selection changes as announced for BSEAQNTR, BDATA, BCHNQNTR, BDLRTNTR, BEBKR, BECOMNTR, BDNANTR, BGTQNTR, BQTUMTR, BSOLRNTR, BWIND, BEHC, BEV, BFIVG, BTOUR
24 June 2021	6.04	Inclusion of BACOM, BATOR, BCCON
05 July 2021	6.05	BUGFC name change, MVAUS, MVAUSU, MVMVW buffer/coverage change
20 July 2021	6.06	BECLG into Listing Eligibility Scheme 8
2 August 2021	6.07	30 days announcement period for Index Guide changes Plant-based meat and dairy alternatives eligible in MVMOO and BMOO Modified Float-Adjusted Market Cap weighting scheme: Adjustment to flooring
05 August 2021	6.08	Semiconductor/online money transfer company ineligibility in MVDAPP
11 August 2021	6.09	BEBKR name change
23 August 2021	6.10	Inclusion of BBIDS
24 August 2021	6.11	Inclusion of BUALT and BUORT
31 August 2021	6.12	Inclusion of MVSPC
09 September 2021	6.13	Inclusion of MVFOF, explanation of discretion for adding components during review for BDATA, BCRUZ, BHDRO, BQTUM in case of not enough eligible tickers
05 October 2021	6.14	Dissemination on non-US trading days for B3DP, BACOM, BATOR, BETOR
29 October 2021	6.15	Removal of MVFRAK
02 November 2021	6.16	Inclusion of MVGMET
10 November 2021	6.17	Inclusion of BUBID
06 December 2021	6.18	Inclusion of MVFHC, ESG factors used for MVHTWO eligibility, Changes for BlueStar branded Indices (as announced in details on 1 November 2021): - Individual eligibility changes as announced for BSEAQNTR, BETOR, BTOUR, BFNQNTR, BRBTNTR, BUBNKNTR, BTOTNTR, BEGAMNTR, BAINTR, BAUTNTR, BGFGNTR, - Individual selection changes as announced for

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		BFNQNTR, BRBTNTR, BTOTNTR, BEGAMNTR, BEHC, BEV, BUBNKNTR, BETOR, BATOR, BTOUR, BQTUM, BUQFC - Updated IPO/Spin-off/SPAC rule for BQTUM, BUQFC - Updated pure-play rule for BFNQNTR, BRBTNTR
17 December 2021	6.19	Name change to ESG for MVFOF, MVHTWO, MVSPC
28 December 2021	6.19	Inclusion of MVDAM, MVDIND, BADTQ, BIINF
24 January 2022	6.21	Description update for BUALT
28 January 2022	6.22	Inclusion of MVGMXC, BURRT
09 February 2022	6.23	Inclusion of MVBION

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