

# S&P Dow Jones Indices

A Division of **S&P Global**

# S&P Dividend Opportunities Index *Methodology*

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# Introduction

## Index Objective

The S&P Dividend Opportunities indices measure the performance of high yielding common stocks from global markets, while meeting diversification, stability and tradability requirements.

## Highlights and Index Family

Index constituents must meet minimum size and liquidity requirements to ensure investability and tradability. Constituents also must meet financial stability requirements related to profitability and earnings growth.

The indices seek to ensure diversified exposure, so a number of weighting criteria are applied to each index at each semi-annual rebalancing.

Members of the S&P Dividend Opportunities family of indices include:

- S&P Emerging Markets Dividend Opportunities Index
- S&P Europe Dividend Opportunities Index
- S&P Global Dividend Opportunities Index
- S&P International Dividend Opportunities Index
- S&P Ethical Pan Asia Select Dividend Opportunities Index
- S&P/ASX Dividend Opportunities Index
- S&P China A-Share Dividend Opportunities Index
- S&P Korea Dividend Opportunities Index

Each index is comprised of a fixed number of stocks from its specific region representing tradable, exchange-listed common stocks that offer high dividend yields.

## Supporting Documents

This methodology is meant to be read in conjunction with supporting documents providing greater detail with respect to the policies, procedures and calculations described herein. References throughout the methodology direct the reader to the relevant supporting document for further information on a specific topic. The list of the main supplemental documents for this methodology and the hyperlinks to those documents is as follows:

Supporting Document	URL
S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology	<a href="#">Equity Indices Policies &amp; Practices</a>
S&P Dow Jones Indices' Index Mathematics Methodology	<a href="#">Index Mathematics Methodology</a>
S&P Dow Jones Indices' Float Adjustment Methodology	<a href="#">Float Adjustment Methodology</a>
S&P Dow Jones Indices' Global Industry Classification Standard (GICS) Methodology	<a href="#">GICS Methodology</a>

This methodology was created by S&P Dow Jones Indices to achieve the aforementioned objective of measuring the underlying interest of each index governed by this methodology document. Any changes to or deviations from this methodology are made in the sole judgment and discretion of S&P Dow Jones Indices so that the index continues to achieve its objective.

# Eligibility Criteria

## Index Universe

The starting universe for each S&P Dividend Opportunities Index is as follows:

Index	Universe
S&P Emerging Markets Dividend Opportunities Index	The S&P Emerging BMI. Includes developed market listings for stocks in the universe (stocks listed in mainland China are ineligible).
S&P Europe Dividend Opportunities Index	The S&P Europe BMI.
S&P Global Dividend Opportunities Index	The S&P Global BMI. Only developed market listings are eligible for stocks domiciled in emerging markets.
S&P International Dividend Opportunities Index	The S&P Global ex-U.S. BMI.
S&P Ethical Pan Asia Select Dividend Opportunities Index	The S&P Pan Asia BMI. Stocks must be domiciled in Pan Asian countries, excluding India, Japan, New Zealand, the Philippines and Taiwan. For China, only Hong-Kong listed stocks are eligible.
S&P/ASX Dividend Opportunities Index	The S&P/ASX 300 (A-REITs are ineligible).
S&P China A-Share Dividend Opportunities Index	The S&P China A Composite Index (stocks designated as Special Treatment (ST and *ST) by the Shanghai and Shenzhen Stock Exchanges are ineligible).
S&P Korea Dividend Opportunities Index	The S&P Korea BMI (preference shares, secondary shares and KOSDAQ listings are ineligible).

## Investability Criteria

The universe for each index is narrowed down to an investable set of stocks based on the following criteria:

**Market Capitalization.** As of the rebalancing reference date, eligible stocks must have a minimum float-adjusted market capitalization as detailed in the following table.

Index	Minimum Market Cap
S&P Emerging Markets Dividend Opportunities Index	US\$ 300 million
S&P Europe Dividend Opportunities Index	US\$ 500 million
S&P Global Dividend Opportunities Index	
S&P International Dividend Opportunities Index	
S&P Ethical Pan Asia Select Dividend Opportunities Index	US\$ 3 billion (US\$ 2 billion for current index constituents)
S&P/ASX Dividend Opportunities Index	AUD 500 million
S&P China A-Share Dividend Opportunities Index	RMB 1 billion (RMB 900 million for current index constituents)
S&P Korea Dividend Opportunities Index	KRW 300 billion

**Value Traded.** As of the rebalancing reference date, eligible stocks must meet the following minimum value traded criteria.

Index	Minimum Value Traded
S&P Emerging Markets Dividend Opportunities Index	Three-month median daily value traded of US\$ 1 million
S&P Europe Dividend Opportunities Index	Three-month median daily value traded of US\$ 5 million
S&P Global Dividend Opportunities Index	
S&P International Dividend Opportunities Index	
S&P Ethical Pan Asia Select Dividend Opportunities Index	Six-month average daily value traded of US\$ 3 million (US\$ 2.5 million for current index constituents)
S&P/ASX Dividend Opportunities Index	Six-month average daily value traded of AUD 2 million (AUD 1.5 million if the Investable Universe is too narrow)
S&P China A-Share Dividend Opportunities Index	Six-month average daily value traded of RMB 20 million (RMB 18 million for current index constituents)
S&P Korea Dividend Opportunities Index	Three-month average daily value traded of KRW 1 billion

**Multiple Share Classes.** Each company is represented once by the listing with the highest dividend yield subject to meeting the eligibility criteria. In the event multiple lines meet the eligibility criteria and have similar dividend yields, the Designated Listing is selected. For more information regarding the treatment of multiple share classes, please refer to Approach C within the Multiple Share Classes section of the S&P Dow Jones Indices' Equity Indices Policies & Practices document.

**Public Shares Available to Foreign Investors.** For the S&P Ethical Pan Asia Select Dividend Opportunities Index, S&P Dow Jones Indices reviews not only the theoretical foreign investment limits applicable to companies (as calculated through S&P Dow Jones Indices' Investable Weight Factor (IWF)), but also the practical available limit (as defined by the known shares actually available to foreign investors). South Korean stocks are monitored for foreign investment limits at each rebalancing. A stock is added only if its practical available limit is 10% or more. If the practical available limit for an existing constituent falls below 5% then it is removed from the index at the next rebalancing. The others indices within the family have the flexibility to use South Korean ADR listed stocks.

*Please refer to S&P Dow Jones Indices' Float Adjustment Methodology for a detailed description of float adjustment and Investable Weight Factor (IWF).*

### Stability Criteria

For each index, stocks in the Investable Universe are then screened for Stability Criteria according to the following table:

Index	Profitability	Dividend Growth	Dividend Coverage Ratio	Dividend Yield	Earnings Growth	Momentum	Ethical Screen
S&P Emerging Markets Dividend Opportunities Index	x	x	x	x			
S&P Europe Dividend Opportunities Index	x	x	x	x			
S&P Global Dividend Opportunities Index	x	x	x	x			
S&P International Dividend Opportunities Index	x	x	x	x			
S&P Ethical Pan Asia Select Dividend Opportunities Index	x	x					x
S&P/ASX Dividend Opportunities Index		x				x	
S&P China A-Share Dividend Opportunities Index	x				x		
S&P Korea Dividend Opportunities Index	x	x					

**Profitability.** Stocks must be profitable, as measured by positive earnings-per-share (EPS) before extraordinary items, over the latest 12-month period as of the rebalancing reference date.

**Dividend Growth.** Stocks must have stable or increasing three-year dividend growth. For existing index constituents, the dividend should maintain positive or stable growth. A small decline in dividend growth is allowed as long as the decline is less than 5% over the three-year period.

Dividend growth for the S&P Emerging Markets Dividend Opportunities Index, S&P Europe Dividend Opportunities Index, S&P Global Dividend Opportunities Index and S&P International Dividend Opportunities Index is measured as:

$$((Dividends\ Per\ Share_t / Dividends\ Per\ Share_{t-3}) - 1) * 100$$

Where:

*Dividends Per Share* = is the latest year.

*t* = The latest year.

Note that if a stock didn't pay a dividend three years ago, it is ineligible for the above indices.

Dividend growth for the S&P Ethical Pan Asia Select Dividend Opportunities Index, S&P/ASX Dividend Opportunities Index and S&P Korea Dividend Opportunities Index is measured as:

$$((Dividends\ Per\ Share_t / Dividends\ Per\ Share_{t-3})^{1/3} - 1) * 100$$

Where:

*Dividends Per Share* = is the latest year.

*t* = The latest year.

**Dividend Coverage Ratio.** The ratio of a stock's Funds From Operations Per Share (FFO) to its Dividend-Per-Share (DPS) must be greater than 100%.

**Dividend Yield.** Dividend yield must be greater than the median yield in the remaining eligible universe consisting of stocks that passed all other Investability and Stability Criteria. This is screened after all other Stability Criteria for these indices are applied.

Dividend yield is calculated by dividing the stock's DPS amount by its price in local currency as of the rebalancing reference date. Special and extraordinary dividends are not included in the calculation.

DPS used for the above two screens is calculated using dividends going ex in the last 12 months prior to the rebalancing reference date.

**Earnings Growth.** Stocks must have a positive, three-year earnings growth. The earnings-per-share in the most recent reported year must be greater than the earnings-per-share reported three years prior. Existing index constituents are removed if they fail the earnings growth criterion for the current rebalancing period. For the S&P China A-Share Dividend Opportunities Index, existing index constituents are removed if they fail the earnings growth criterion for two consecutive rebalancings.

**Momentum.** Stocks that rank in the bottom 10% by momentum scores among all S&P/ASX 300 constituents are removed. The momentum scores are calculated for all constituents of the S&P/ASX 300 as of the rebalancing reference date.

*For more information on computation of momentum scores, please refer to the S&P Momentum Indices Methodology located on our web site, [www.spdji.com](http://www.spdji.com).*



## **Dividend Payment Types**

S&P Dow Jones Indices only considers cash dividend payments declared as regular by the paying company for index eligibility, selection, and weighting purposes. Cash dividend payments declared as special by the paying company, including recurring special cash dividends, are not considered. For both eligibility and weighting purposes, regular cash dividend amounts, before withholding tax, are used. For the S&P/ASX Dividend Opportunities Index, the stability criteria involving dividends for Australian companies do not reflect franking credits.

## **Ethical Screen**

An ethical screen is conducted for the S&P Ethical Pan Asia Select Dividend Opportunities Index. Companies that have at least 5% revenue exposure to Alcohol, Gaming, Pork or Tobacco are removed from the universe of eligible securities. The screen is conducted by an independent third party – Ratings Intelligence – on a semi-annual basis to coincide with the semi-annual rebalancings.

Stocks meeting both the Stability and Ethical criteria form the Selection Universe for the S&P Ethical Pan Asia Select Dividend Opportunities Index.

# Index Construction

## Approaches

The methodology employs a yield driven-weighting scheme, using the divisor methodology used in most S&P Dow Jones Indices equity indices.

There are two steps in the creation of each index. The first is the selection of the number of companies specified by each index; the second is the weighting of the index constituents within each index.

S&P Dow Jones Indices believes turnover in index membership should be avoided when possible. At times a company may appear to temporarily violate one or more of the addition criteria. However, the addition criteria are for addition to an index, not for continued membership. As a result, an index constituent that appears to violate criteria for addition to that index may not be deleted unless ongoing conditions warrant an index change.

## Constituent Selection

Each index has a fixed number of constituents at rebalancing.

Index	Number of Constituents
S&P Emerging Markets Dividend Opportunities Index	100
S&P Ethical Pan Asia Select Dividend Opportunities Index	40
S&P Europe Dividend Opportunities Index	100
S&P Global Dividend Opportunities Index	100
S&P International Dividend Opportunities Index	100
S&P/ASX Dividend Opportunities Index	50
S&P China A-Share Dividend Opportunities Index	100
S&P Korea Dividend Opportunities Index	50

**S&P Emerging Markets Dividend Opportunities, S&P Europe Dividend Opportunities, S&P Global Dividend Opportunities, and S&P International Dividend Opportunities Indices.** The selection of index constituents is done as follows:

1. All stocks in the Selection Universe are sorted by annual Risk-Adjusted Yield (RAY). This is calculated as dividend yield divided by volatility of dividend yield over the prior 36-month period as of the rebalancing reference date.
2. The top 80 stocks ranked by RAY, are automatically selected for inclusion.
3. Then, all stocks that are current constituents that fall within the top 150 ranking are chosen by order of rank.<sup>1</sup>
4. If at this point the target stock count has not been met, then the remaining stocks are selected based on their overall selection rank until 100 stocks are selected.

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<sup>1</sup> The selection process allows for a 50% buffer based on count in order to retain current constituents that continue to be highly ranked. These indices have 100 stocks at rebalancing and as a result use a buffer of 150 stocks, which is equal to 50% over the target count.

**S&P Ethical Pan Asia Select Dividend Opportunities, S&P/ASX Dividend Opportunities, S&P China A-Share Dividend Opportunities, and S&P Korea Dividend Opportunities Indices.** The selection of index constituents is done as follows:

1. All stocks in the Selection Universe are sorted by annual dividend yield.
2. The highest yielding stocks in each Selection Universe form the respective index.
3. The following buffers are applied:

Index	Constituent Selection
S&P Ethical Pan Asia Select Dividend Opportunities Index	The index is comprised of the top 40 yielding stocks in the selection universe. At the rebalancing, if a current index constituent is among the top 80 in the ranking, it remains in the index. If not, the stock is deleted and the next highest yielding stock that is not an index constituent is added.
S&P/ASX Dividend Opportunities Index	The index is comprised of the 50 highest yielding stocks in the selection universe. At the rebalancing, if a current index constituent is among the top 70 in the ranking, it remains in the index. If not, the stock is deleted and the next highest yielding stock that is not an index constituent is added.
S&P China A-Share Dividend Opportunities Index	The index is comprised of the 100 highest yielding stocks in the selection universe. At the rebalancing, if a current index constituent is among the top 150 in the ranking, it remains in the index. If not, the stock is deleted and the next largest stock that is not an index constituent is added.
S&P Korea Dividend Opportunities Index	The index is comprised of the 50 highest dividend yielding stocks in the selection universe. At the rebalancing, if a current index constituent is among the top 100 in the ranking, it remains in the index. If not, the stock is deleted and the next highest dividend yielding stock that is not an index constituent is added.

### Constituent Weighting

With the exception of the S&P/ASX Dividend Opportunities Index, the indices are weighted based on trailing 12-month dividend yield with specific diversification requirements outlined in *Constituent Capping* below.

**S&P/ASX Dividend Opportunities Index.** The index is weighted in proportion to constituent stocks' total dividend (dividend yield multiplied by market capitalization) with specific diversification requirements as outlined in *constituent capping* below.

**Constituent Capping.** The capping schemes of each index are described below:

Index	Stock Weight	GICS Sector Weight	Country Weight	Emerging Market Weight	Other Criteria
	<i>Max.</i>	<i>Max.</i>	<i>Max.</i>	<i>Max.</i>	
S&P Emerging Markets Dividend Opportunities	3%	25%	25%		The minimum initial portfolio size that can be turned over in a single day (based on its three-month median daily value traded) cannot be lower than US\$ 750 million.  The maximum combined weight of all trusts, including real estate income trusts, is 10%.
S&P Europe Dividend Opportunities	3%	25%	25%		

Index	Stock Weight	GICS Sector Weight	Country Weight	Emerging Market Weight	Other Criteria
	<i>Max.</i>	<i>Max.</i>	<i>Max.</i>	<i>Max.</i>	
S&P Global Dividend Opportunities	3%	Minimum of 25% or 2x the Sector Weight in the S&P Global BMI. Relaxed to 3x Sector Weight if necessary.	Maximum of 25% or Country Weight in the S&P Global BMI.		The minimum initial portfolio size that can be turned over in a single day (based on its three-month median daily value traded) cannot be lower than US\$ 375 million.  The maximum combined weight of all trusts, including real estate income trusts, is 10%.
S&P International Dividend Opportunities	3%	25%	25%	15%	The minimum initial portfolio size that can be turned over in a single day (based on its three-month median daily value traded) cannot be lower than US\$ 1 billion.  The maximum combined weight of all trusts, including real estate income trusts, is 10%.
S&P Ethical Pan Asia Select Dividend Opportunities	5%	25%	25%		The combined weight of China and Hong Kong should be no more than 50%. No more than 10 stocks from any one eligible country. No more than 15 stocks from any one sector.
S&P/ASX Dividend Opportunities	10%	30% or S&P/ASX 300 sector weight less 10%, whichever is higher			
S&P China A-Share Dividend Opportunities	3%	33%			
S&P Korea Dividend Opportunities	5%	30%			

### Index Calculations

The indices are calculated by means of the divisor methodology used in all S&P Dow Jones Indices equity indices.

*For more information on the index calculation methodology, please refer to S&P Dow Jones Indices' Index Mathematics Methodology.*

# Index Maintenance

## Rebalancing

**Annual Reconstitution.** With the exception of the S&P/ASX Dividend Opportunities and the S&P China A-Share Dividend Opportunities Indices, the indices are reconstituted annually, effective after the close of trading of the last business day of July. The reconstitution reference date is the last business day of June. During the annual reconstitution, an updated universe is used and all stocks are screened for index eligibility.

**Semi-Annual Review.** In addition to the annual reconstitution and monthly dividend review (see below), the indices undergo a secondary review to ensure that the constituent weighting criteria are being adhered to. This secondary review is performed using trailing 12-month dividend yields as of the last business day of December. If weights require realignment as of this reference date, new constituent weights will take effect after the close of trading on the last business day of January.

**S&P/ASX Dividend Opportunities and S&P China A-Share Dividend Opportunities Indices.** The indices are rebalanced semi-annually, effective after the close of trading on the last business day of January and July. The rebalancing reference date is the last business day of December and June respectively.

Since index shares are assigned based on prices seven business days prior to the rebalancing, the actual weight of each stock at the rebalancing will differ from the target weights due to market movements.

## Monthly Dividend Review

S&P Dow Jones Indices reviews index constituents on a monthly basis. If S&P Dow Jones Indices determines an index constituent has eliminated, suspended its dividend or omitted a payment, it will be removed from the Index effective prior to the open of the first business day of the following month.

In addition, constituent stocks are reviewed on a monthly basis for dividend cuts. Constituent stocks may, at the discretion of the Index Committee, be removed effective prior to the open of the first business day of the following month if the constituent company lowers but does not eliminate its dividend, its new yield is significantly lower than the lowest yielding constituent, and the index committee can determine based on current information that the company will not qualify for inclusion at the next rebalancing.

The determination of qualifying for the index at the subsequent annual reconstitution is done at the discretion of the Index Committee. The decision to remove an index constituent due to dividend elimination, suspension, omission, or reduction is based on information publicly announced by the company as of five business days prior to month-end. The index constituents removed as part of the monthly dividend review process are not replaced until the following annual reconstitution.

## Corporate Actions

Corporate Action	Adjustment Made to Index	Divisor Adjustment?
Spin-off	Please refer to the Treatment of Spin-offs in <i>S&amp;P Dow Jones Indices' Equity Indices Policies &amp; Practices</i> document.	
Rights Offering	The price is adjusted to the Price of the Parent Company minus (the Price of the Rights Offering/Rights Ratio). Index shares change so that the company's weight remains the same as its weight before the rights offering.	No
Stock Dividend, Stock Split, Reverse Stock Split	Index shares are multiplied by and price is divided by the split factor.	No
Share Issuance, Share Repurchase, Equity Offering or Warrant Conversion	None.	No
Special Dividends	Price of the stock making the special dividend payment is reduced by the per share special dividend amount after the close of trading on the day before the dividend ex-date.	Yes
Constituent Change	Except for spinoffs, there are no intra-rebalancing additions.	-
	Deletions due to delistings, acquisition or any other corporate event resulting in the deletion of the stock from the index will cause the weights of the rest of the stocks in the index to change. Relative weights will stay the same.	Yes

For more information, please refer to *S&P Dow Jones Indices' Equity Indices Policies & Practices* document.

## Currency, Currency Hedged, and Risk Control Indices

The following indices are calculated in real-time using spot Forex rates, as supplied by an established market information vendor:

Index	Currencies
S&P Emerging Markets Dividend Opportunities	USD
S&P Global Dividend Opportunities	USD
S&P International Dividend Opportunities	USD
S&P/ASX Dividend Opportunities	AUD
S&P China A-Share Dividend Opportunities	CNY, USD
S&P Korea Dividend Opportunities	KRW

Daily index closing values are calculated for the following indices using WM/Reuters foreign exchange rates.

Index	Currencies
S&P Emerging Markets Dividend Opportunities	EUR, JPY
S&P Europe Dividend Opportunities	EUR, USD

WM/Reuters foreign exchange rates are taken daily at 4:00 PM London Time and used in the calculation of certain end-of-day-basis versions of the index. These mid-market fixings are calculated by The WM Company based on Reuters data and appear on Reuters pages WMRA.

Daily index closing values are calculated for the following indices using spot exchange rates.

Index	Currencies
S&P Ethical Pan Asia Select Dividend Opportunities	SGD, USD
S&P/ASX Dividend Opportunities	AUD, USD
S&P Korea Dividend Opportunities	KRW, USD
S&P China A-Share Dividend Opportunities	CNY, USD

Additional currency, currency hedged, and risk control versions of the index may be available. For a list of available currency, currency hedged, and risk control indices, please contact Client Services at [index\\_services@spglobal.com](mailto:index_services@spglobal.com).

*For more information on currency, currency hedged, and risk control indices, please refer to S&P Dow Jones Indices' Index Mathematics Methodology.*

### Base Dates and History Availability

Index history availability, base dates and base values are shown in the table below.

Index	Launch Date	First Value Date	Base Date	Base Value
S&P Emerging Markets Dividend Opportunities	30-Nov-2009	20-Aug-1999	20-Aug-1999	1000
S&P Global Dividend Opportunities	25-Jan-2008	15-Jan-1997	15-Jan-1997	1000
S&P International Dividend Opportunities	25-Jan-2008	15-Jan-1997	15-Jan-1997	1000
S&P Europe Dividend Opportunities	10-Dec-2009	16-Oct-1998	16-Oct-1998	1000
S&P Ethical Pan Asia Select Dividend Opportunities	20-Jul-2011	30-Jun-2005	30-Jun-2005	1000
S&P/ASX Dividend Opportunities	21-Sep-2010	28-Jun-2002	28-Jun-2002	1000
S&P China A-Share Dividend Opportunities	11-Sep-2008	18-Jun-2004	18-Jun-2004	1000
S&P Korea Dividend Opportunities	23-Feb-2015	30-Jan-2004	30-Jan-2004	1000

# Index Data

## Calculation Return Types

S&P Dow Jones Indices calculates multiple return types which vary based on the treatment of regular cash dividends. The classification of regular cash dividends is determined by S&P Dow Jones Indices.

- Price Return (PR) versions are calculated without adjustments for regular cash dividends.
- Gross Total Return (TR) versions reinvest regular cash dividends at the close on the ex-date without consideration for withholding taxes.
- Net Total Return (NTR) versions, if available, reinvest regular cash dividends at the close on the ex-date after the deduction of applicable withholding taxes.

In the event there are no regular cash dividends on the ex-date, the daily performance of all three indices will be identical.

For a complete list of indices available, please refer to the daily index levels file (“.SDL”).

*For more information on the classification of regular versus special cash dividends as well as the tax rates used in the calculation of net return, please refer to S&P Dow Jones Indices' Equity Indices Policies & Practices document.*

*For more information on the calculation of return types, please refer to S&P Dow Jones Indices' Index Mathematics Methodology.*



# Index Governance

## **Index Committee**

The indices are maintained by an Index Committee. The Index Committee meets regularly. All committee members are full-time professional members of S&P Dow Jones Indices' staff. At each meeting, the Index Committee may review pending corporate actions that may affect index constituents, statistics comparing the composition of the indices to the market, companies that are being considered as candidates for addition to an index, and any significant market events. In addition, the Index Committee may revise index policy covering rules for selecting companies, treatment of dividends, share counts or other matters.

S&P Dow Jones Indices considers information about changes to its indices and related matters to be potentially market moving and material. Therefore, all Index Committee discussions are confidential.

S&P Dow Jones Indices' Index Committees reserve the right to make exceptions when applying the methodology if the need arises. In any scenario where the treatment differs from the general rules stated in this document or supplemental documents, clients will receive sufficient notice, whenever possible.

In addition to the daily governance of indices and maintenance of index methodologies, at least once within any 12-month period, the Index Committee reviews the methodology to ensure the indices continue to achieve the stated objectives, and that the data and methodology remain effective. In certain instances, S&P Dow Jones Indices may publish a consultation inviting comments from external parties.

*For information on Quality Assurance and Internal Reviews of Methodology, please refer to S&P Dow Jones Indices' Equity Indices Policies & Practices document.*

# Index Policy

## **Announcements**

All index constituents are evaluated daily for data needed to calculate index levels and returns. All events affecting the daily index calculation are typically announced in advance via the Index Corporate Events report (.SDE), delivered daily via ftp to all clients. Any unusual treatment of a corporate action or short notice of an event may be communicated via email to clients.

All methodology changes are posted to the S&P Dow Jones Indices' Web site and announced via email to all clients. The latest available version is posted on the Web site at [www.spdji.com](http://www.spdji.com).

*For more information, please refer to the Announcements section of S&P Dow Jones Indices' Equity Indices Policies & Practices document.*

## **Pro-forma files**

In addition to the corporate events file (.SDE), S&P Dow Jones Indices provides constituent pro-forma files each time the indices rebalance. The pro-forma file is typically provided daily in advance of the rebalancing date and contains all constituents and their corresponding weights and index shares effective for the upcoming rebalancing. Since index shares are assigned based on prices seven business days prior to the rebalancing, the actual weight of each stock at the rebalancing will differ from these weights due to market movements.

*Please visit [www.spdji.com](http://www.spdji.com) for a complete schedule of rebalancing timelines and pro-forma delivery times.*

## **Holiday Schedule**

The indices are calculated daily, throughout the calendar year. The only days the indices are not calculated are on days when all exchanges where an index's constituents are listed are officially closed.

*A complete holiday schedule for the year is available at [www.spdji.com](http://www.spdji.com).*

## **Rebalancing**

The Index Committee may change the date of a given rebalancing for reasons including market holidays occurring on or around the scheduled rebalancing date. Any such change will be announced with proper advance notice where possible.

## **Unexpected Exchange Closures**

For information on Unexpected Exchange Closures, please refer to S&P Dow Jones Indices' Equity Indices Policies & Practices document.

## **Recalculation Policy**

For information on the recalculation policy, please refer to S&P Dow Jones Indices' Equity Indices Policies & Practices document.

**Real-Time Calculation**

Real-time, intra-day, index calculations are executed for certain indices, whenever any of the index's primary exchanges are open. Real-time indices are not restated.

*For information on Calculations and Pricing Disruptions, Expert Judgment and Data Hierarchy, please refer to S&P Dow Jones Indices' Equity Indices Policies & Practices document.*

**Contact Information**

For questions regarding an index, please contact: [index\\_services@spglobal.com](mailto:index_services@spglobal.com).

# Index Dissemination

Index levels are available through S&P Dow Jones Indices' Web site at [www.spdji.com](http://www.spdji.com), major quote vendors (see codes below), numerous investment-oriented Web sites, and various print and electronic media.

## Tickers

The table below lists headline indices covered by this document. All currency, currency hedged, risk control, and return type versions of the below indices that may exist are also covered by this document. Please contact [index\\_services@spglobal.com](mailto:index_services@spglobal.com) for a complete list of indices covered by this document.

Index (Currency)	Return Type	Bloomberg	Reuters
S&P Emerging Markets Dividend Opportunities (USD)	Price Return Total Return Net Total Return	SPGTEDUP SPGTEDUT SPGTEDUN	
S&P Emerging Markets Dividend Opportunities (EUR)	Price Return Total Return Net Total Return	SPGTEDEP SPGTEDET SPGTEDEN	
S&P Emerging Markets Dividend Opportunities (JPY)	Price Return Total Return Net Total Return	SPGTEDJP SPGTEDJT SPGTEDJN	
S&P Global Dividend Opportunities (USD)	Price Return Total Return Net Total Return	SPGTGDO SPGTGDOT SPGTGDON	.SPGTGDO .SPGTGDOT
S&P International Dividend Opportunities (USD)	Price Return Total Return Net Total Return	SPGTDOU SPGTDOUT SPGTDOUN	.SPGTDOU .SPGTDOUT
S&P Europe Dividend Opportunities (USD)	Price Return Total Return Net Total Return	SPDOEUP SPDOEUT SPDOEUN	
S&P Europe Dividend Opportunities (EUR)	Price Return Total Return Net Total Return	SPDOEEP SPDOEET SPDOEEN	
S&P Ethical Pan Asia Select Dividend Opportunities (USD)	Price Return Total Return Net Total Return	SPAEDOUP SPAEDOUT SPAEDOUN	
S&P Ethical Pan Asia Select Dividend Opportunities (SGD)	Price Return Total Return Net Total Return	SPAEDOSP SPAEDOST SPAEDOSN	
S&P/ASX Dividend Opportunities (AUD)	Price Return Total Return	SPAXDI SPAXDIT	.AXDI .AXDIA
S&P China A-Share Dividend Opportunities (CNY)	Price Return Total Return	CSPSADRP CSPSADRT	.CSPSADRP .CSPSADRT
S&P Korea Dividend Opportunities (KRW)	Price Return Total Return Net Total Return	SPKRDOKP SPKRDOKT SPKRDOKN	

## FTP

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## Appendix – Methodology Changes

Methodology changes since January 1, 2015 are as follows:

Impacted Index	Change	Effective Date (After Close)	Previous	Methodology Updated
All Indices	Monthly Dividend Review	31-Jul-2018	--	<p>S&amp;P Dow Jones Indices reviews index constituents on a monthly basis. If S&amp;P Dow Jones Indices determines an index constituent has eliminated, suspended its dividend or omitted a payment, it will be removed from the Index effective prior to the open of the first business day of the following month.</p> <p>In addition, constituent stocks are reviewed on a monthly basis for dividend cuts. Constituent stocks may, at the discretion of the Index Committee, be removed effective prior to the open of the first business day of the following month if the constituent company lowers but does not eliminate its dividend, its new yield is significantly lower than the lowest yielding constituent, and the index committee can determine based on current information that the company will not qualify for inclusion at the next rebalancing.</p> <p>The determination of qualifying for the index at the subsequent annual reconstitution is done at the discretion of the Index Committee. The decision to remove an index constituent due to dividend elimination, suspension, omission, or reduction is based on information publicly announced by the company as of five business days prior to month-end. The index constituents removed as part of the monthly dividend review process are not replaced until the following annual reconstitution.</p>

Impacted Index	Change	Effective Date (After Close)	Methodology	
			Previous	Updated
S&P Emerging Markets Dividend Opportunities Index, S&P Europe Dividend Opportunities Index, S&P International Dividend Opportunities Index and S&P Global Dividend Opportunities Index	Constituent Selection	31-Jul-2018	The selection of index constituents is done as follows: <ol style="list-style-type: none"> <li>All stocks in the Selection Universe are sorted by annual Risk-Adjusted Yield (RAY).</li> <li>The top 80 stocks ranked by RAY, are automatically selected for inclusion.</li> <li>Then, all stocks that are current constituents that fall within the top 120 ranking are chosen by order of rank.</li> <li>If at this point the target stock count has not been met, then the remaining stocks are selected based on their overall selection rank until 100 stocks are selected.</li> </ol>	The selection of index constituents is done as follows: <ol style="list-style-type: none"> <li>All stocks in the Selection Universe are sorted by annual Risk-Adjusted Yield (RAY).</li> <li>The top 80 stocks ranked by RAY, are automatically selected for inclusion.</li> <li>Then, all stocks that are current constituents that fall within the top 150 ranking are chosen by order of rank.</li> <li>If at this point the target stock count has not been met, then the remaining stocks are selected based on their overall selection rank until 100 stocks are selected.</li> </ol>
All Indices	Consideration of recurring special cash dividends for eligibility, selection, and weighting purposes	31-Jan-2018	Recurring special cash dividends that S&P Dow Jones Indices considers to be part of the normal payment pattern established by the company are considered regular for eligibility, selection, and weighting purposes.	S&P Dow Jones Indices only considers cash dividend payments declared as regular by the paying company for index eligibility, selection, and weighting purposes. Cash dividend payments declared as special by the paying company, including recurring special cash dividends, are not considered.
S&P China A-Share Dividend Opportunities Index	Liquidity Requirement	31-Jan-2018	At each rebalancing, stocks must have a minimum six-month average daily value traded of RMB 10 million.	At each rebalancing, stocks must have a minimum six-month average daily value traded of RMB 20 million (RMB 18 million for current index constituents).
S&P China A-Share Dividend Opportunities Index	Market Capitalization Requirement	31-Jan-2018	At each rebalancing, stocks must have a minimum float-adjusted market capitalization of RMB 1 billion.	At each rebalancing, stocks must have a minimum float-adjusted market capitalization of RMB 1 billion (RMB 900 million for current index constituents).
S&P China A-Share Dividend Opportunities Index	Eligibility of Special Treatment Stocks	31-Jan-2018	--	Stocks designated as Special Treatment (ST and *ST) by the Shanghai and Shenzhen Stock Exchanges are ineligible for index inclusion.
S&P China A Share Dividend Opportunities Index	Name Change	13-Oct-2017	S&P China A Share Dividend Opportunities Index	S&P China A-Share Dividend Opportunities Index
S&P/ASX Dividend Opportunities Index and S&P China A Share Dividend Opportunities Index	Rebalancing	31-Jul-2017	The indices rebalance annually, effective after the close of trading on the last business day of July, with a secondary review at the end of January.	The indices rebalance semi-annually, effective after the close of trading on the last business day of January and July.
S&P Ethical Pan Asia Dividend Opportunities Index	Country Capping	31-Jul-2017	Country weight cap of 20% (the combined weight of China and Hong Kong should be no more than 40%).	Country weight cap of 25% (the combined weight of China and Hong Kong should be no more than 50%).

Impacted Index	Change	Effective Date (After Close)	Methodology	
			Previous	Updated
All Indices	Rebalancing	31-Jan-2017	With the exception of the S&P Ethical Pan Asia Select Dividend Opportunities Index, the indices rebalance effective after the close of trading of the last business day of January and July.	The indices rebalance annually, effective after the close of trading of the last business day of July, with a secondary review at the end of January.
All Indices	Dividend Yield	31-Jan-2017	Dividend yield is calculated by using dividends earned in the last 12 months prior to the rebalancing reference date. Each constituent's dividend amount is multiplied by its index shares as of the ex-dividend date to calculate each constituent's dividend market cap. The dividend yield is calculated by dividing the dividend market cap by the constituent's market cap.	Dividend yield is calculated using dividends that went ex in the 12 months prior to the rebalancing reference date. The dividend yield is given by dividing each stock's dividend amount by its price in local currency as of the rebalancing reference date.
S&P Global Dividend Opportunities Index	Constituent Capping	31-Jan-2017	GICS sector weight of 25%, country weight of 25%, and Emerging stock weight of 15%.	GICS sector weight minimum of 25% or 2x the sector weight in the S&P Global BMI (relaxed to 3x the sector weight if necessary) and county weight maximum of 25% or country weight in the S&P Global BMI.
S&P Europe Dividend Opportunities Index, S&P International Dividend Opportunities Index, S&P Global Dividend Opportunities Index	Eligibility Criteria	31-Jan-2017	Minimum total market capitalization of US\$ 1 billion, minimum float-adjusted market capitalization of US\$ 600 million for developed markets and US\$ 300 million for emerging markets, and minimum three-month average daily value traded of US\$5 million.	Minimum float-adjusted market capitalization of US\$ 500 million, and minimum three-month median daily value traded of US\$5 million.
S&P Emerging Markets Dividend Opportunities Index	Eligibility Criteria	31-Jan-2017	Minimum total market capitalization of US\$ 1 billion, and minimum three-month average daily value traded of US\$1 million.	Minimum three-month median daily value traded of US\$1 million.
S&P Emerging Markets Dividend Opportunities Index, S&P Europe Dividend Opportunities Index, S&P International Dividend Opportunities Index, S&P Global Dividend Opportunities Index	Stability Criteria	31-Jan-2017	Profitability and earnings growth.	Profitability, dividend growth, dividend coverage ratio, and dividend yield.
	Constituent Selection	31-Jan-2017	Top 100 stocks by annual dividend yield subject to a buffer that is twice the size of the index constituent count.	Top 100 stocks by risk-adjusted yield subject to a buffer of 120.
S&P/ASX Dividend Opportunities Index	Stability Criteria	31-July-2015	Dividend growth and earnings growth.	Dividend growth and momentum.
	Constituent Selection		50 largest stocks by float-adjusted market capitalization subject to a buffer.	50 highest yielding stocks subject to a buffer.
	Stock Capping		Maximum 4%, minimum 0.8%.	Maximum 10%, no minimum.
	Sector Capping		Maximum 20%.	30% or S&P/ASX 300 sector weight less 10%, whichever is higher.
	Stock Weight		Optimization algorithm.	Stocks' total dividend (dividend yield multiplied by market capitalization).

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