

MSCI CAPPED INDEXES METHODOLOGY

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1. INTRODUCTION TO THE MSCI CAPPED INDEXES

In calculating its international equity indexes, MSCI employs market capitalization weighting where each constituent in the index is weighted by its free float-adjusted market capitalization. Applying free float-adjusted market capitalization weighting may result in large sector, geographical or company concentration in certain cases. MSCI Capped Indexes are designed to provide an alternative to purely free float-adjusted market capitalization weighted indexes by constraining the maximum sector, geographical or constituent weights.

In addition to the MSCI Capped Indexes, MSCI constructs and calculates the MSCI 10/40 Indexes, MSCI 25/50 Indexes and the MSCI 35/65 Indexes. These indexes are specifically intended for funds subject to regulatory constraints on maximum weights. For more details on these indexes, please refer to

<http://www.msci.com/products/indexes/strategy/capped/>.

2. CONSTRUCTING THE MSCI CAPPED INDEXES

The MSCI Capped Indexes are constructed from underlying MSCI indexes (herein, “Parent Indexes”). For each capped index, the following is defined:

- a criterion for grouping constituents of the Parent Index;
- the maximum weight to be applied for such groups.

Constituents of the Parent Index can be grouped as follows:

- by country or region.
- by sector, industry group, industry or sub-industry, based on the Global Industry Classification Standard (GICS®).
- by stock exchange or currency of price.
- by group entity (for a definition and a description of the maintenance of Group Entities, please refer to the MSCI 10/40 methodology at http://www.mscibarra.com/products/indexes/thematic_and_strategy/ten_forty/methodology.html).
- by issuer.

each constituent may be considered as a single group.

At construction and at each Index Review, if the weight of any group in the Parent Index is greater than the maximum weight, its weight will be capped at the maximum weight. Within the capped group, securities are weighted in proportion to their free float-adjusted market

capitalization. The weight of the securities outside of the capped group will be increased in proportion to their weight prior to such capping.

3. MAINTAINING THE MSCI CAPPED INDEXES

3.1. QUARTERLY AND SEMI-ANNUAL INDEX REVIEWS

Coinciding with the Quarterly and Semi-Annual Index Reviews of the MSCI Global Investable Market Indexes, the MSCI Capped Indexes are generally rebalanced on the last business day of February, May, August and November as described in Section 2 above.

Intra-quarter weights will fluctuate according to market movements.

3.2. REBALANCING DUE TO NON-COMPLIANCE

A maximum intra-quarter weight may be defined. If the weight of a group increases above the maximum intra-quarter weight, the index will be rebalanced as described in Section 2 above.

3.3. ONGOING EVENT RELATED CHANGES

In general, the MSCI Capped Indexes follow the event maintenance of the MSCI Global Investable Market Indexes. Changes in the Parent Index are reflected simultaneously in the MSCI Capped Index.

3.3.1. EARLY INCLUSIONS OF NEW SECURITIES TO THE PARENT INDEX

Early inclusions of new securities to the Parent Index outside of the Quarterly and Semi-Annual Index Reviews, such as IPOs, will be added to the MSCI Capped Index. The weight of the added security will be capped if required as per Section 2 above.

3.3.2. ADDITIONS AND DELETIONS DUE TO CORPORATE EVENTS

The general treatment of additions and deletions due to corporate events aims to reduce turnover in the MSCI Capped Index.

A security added to the Parent Index following a corporate event (acquisition, spinoff or merger) will also be added to the MSCI Capped index with an estimated capped weight.

A constituent deleted from the Parent Index following a corporate event will be simultaneously deleted from the MSCI Capped Index.

4. SPECIFIC CAPPING METHODOLOGIES

This section describes the specific index capping methodologies that are available as part of the MSCI Capped Indexes methodology:

4.1. MSCI 10/40 INDEXES

The MSCI 10/40 Indexes constrain the weight of any single group entity at 10%, and the sum of the weights of all group entities representing more than 5% weight at 40%, with a buffer of 10% applied on these limits at each index rebalancing. Further details of the MSCI 10/40 Indexes are available at:

http://www.msci.com/products/indexes/strategy/capped/ten_forty/

4.2. MSCI 25/50 INDEXES

The MSCI 25/50 Indexes constrain the weight of any single group entity at 25%, and the sum of the weights of all group entities representing more than 5% weight at 50%, with a buffer of 10% applied on these limits at each index rebalancing. Further details of the MSCI 25/50 Indexes are available at:

http://www.msci.com/products/indexes/strategy/capped/twentyfive_fifty/

4.3. MSCI 20/20 INDEXES

The MSCI 20/20 Indexes constrain the weight of any single group entity at 20%, with a buffer of 10% applied on this limit at each index rebalancing. The MSCI 20/20 Indexes are rebalanced quarterly. Changes are implemented as of the close of the last business day of each February, May, August and November, to coincide with the Quarterly Index Reviews of their Parent Indexes. The MSCI 20/20 Indexes are in general rebalanced five business days before the effective date. The changes resulting from the rebalancing are announced on the same day.

The MSCI 20/20 Indexes are also rebalanced on an “as needed” basis. This means that a MSCI 20/20 Index is rebalanced at the end of any day on which the constraints as specified above (without the buffer) are breached, so that the MSCI 20/20 Index will be within the constraints before the opening of the following trading day. The other index construction and index maintenance rules for the MSCI 20/20 Indexes are as described in Sections 2 and 3 respectively of this document.

4.4. **MSCI 20/35 INDEXES**

The MSCI 20/35 Indexes constrain the weight of the largest group entity at 35%, and all other group entities at 20%, with a buffer of 10% applied on these limits at each index rebalancing.

The MSCI 20/35 Indexes are rebalanced quarterly. Changes are implemented as of the close of the last business day of each February, May, August and November, to coincide with the Quarterly Index Reviews of their Parent Indexes. The MSCI 20/35 Indexes are in general rebalanced five business days before the effective date. The changes resulting from the rebalancing are announced on the same day.

The MSCI 20/35 Indexes are also rebalanced on an “as needed” basis. This means that a MSCI 20/35 Index is rebalanced at the end of any day on which the constraints as specified above (without the buffer) are breached. The rebalancing will take place as of the close of the day when the index breaches the constraints, so that the MSCI 20/35 Index will be within the constraints before the opening of the following trading day. The other index construction and index maintenance rules for the MSCI 20/35 Indexes are as described in Sections 2 and 3 respectively of this document.

4.5. **MSCI EM BEYOND BRIC INDEX**

The MSCI EM Beyond BRIC Index is a sub-set of the MSCI Emerging Markets Index that excludes Brazil, Russia, India and China. In addition the weight of any country is constrained at 15%. The other index construction and index maintenance rules for the MSCI EM Beyond BRIC Index are as described in Sections 2 and 3 respectively of this document.

4.6. **MSCI 35/65 INDEXES**

The MSCI 35/65 Indexes constrain the weight of the largest security at 35%, and the sum of the weights of the largest five securities at 65%, with a buffer of 5% applied on these limits at each index review. The indexes are designed to take into account the concentration limits defined by the National Commission for the Pension System (“Comision Nacional del Sistema de Ahorro para el Retiro” or CONSAR) in Mexico.

The MSCI 35/65 Indexes are rebalanced on a semi-annual basis, coinciding with the Semi-Annual Index Reviews of the MSCI Global Investable Market Indexes (GIMI). The MSCI 35/65 Indexes are in general rebalanced nine business days before the effective date. The changes resulting from the rebalancing are announced on the same day.

The MSCI 35/65 Indexes are also rebalanced on an “as needed” basis to maintain the 35/65 constraints on any given day. This means that a MSCI 35/65 Index is rebalanced at the end of any day on which the constraints as specified above (without the buffer) are breached. The

rebalancing will take place as of the close of the day when the index breaches the constraints, so that the MSCI 35/65 Index will be within the constraints at the opening of the following trading day. The other index construction and index maintenance rules for the MSCI 35/65 Indexes are as described in Sections 2 and 3 respectively of this document.

Similar to the MSCI 25/50 Indexes¹, Minimizing the tracking error between the MSCI 35/65 Index and the Parent Index, while keeping the index turnover to a reasonable level, is another important objective of the current methodology. The index aims to achieve this by rebalancing the MSCI 35/65 Index using an optimization process that aims to minimize the constituent weight differences between the MSCI 35/65 Index and the Parent Index.

4.7. MSCI ADAPTIVE CAPPED INDEXES

For the MSCI Adaptive Capped Indexes, a maximum multiple (“L”) of the benchmark weight of the corresponding Parent Index is set. The MSCI Adaptive Capped Indexes then constrain the weight of any single security to the level of a “cap weight” derived using this maximum benchmark multiple L. All the securities from the underlying index having weights higher than the derived cap weight are constrained to the cap weight. Remaining securities are assigned a weight that is equivalent to L multiplied by the weight of the security in the underlying index. The cap weight can change from one Index Review to the next. Further details of the MSCI Adaptive Capped Indexes are available at:

<http://www.msci.com/products/indexes/strategy/capped/>

¹ http://www.msci.com/products/indexes/strategy/capped/twentyfive_fifty/

THE FOLLOWING SECTIONS HAVE BEEN MODIFIED SINCE SEPTEMBER 2013:

Section 1: Introduction

- Inclusion of MSCI 35/65 Indexes

Section 4: Specific Capping Methodologies

- Addition of MSCI 35/65 index methodology

THE FOLLOWING SECTIONS HAVE BEEN MODIFIED SINCE MAY 2015:

Section 4: Specific Capping Methodologies

- Addition of MSCI Adaptive Capped Indexes methodology

CONTACT US

clientservice@msci.com

AMERICAS

Americas	1 888 588 4567 *
Atlanta	+ 1 404 551 3212
Boston	+ 1 617 532 0920
Chicago	+ 1 312 675 0545
Monterrey	+ 52 81 1253 4020
New York	+ 1 212 804 3901
San Francisco	+ 1 415 836 8800
Sao Paulo	+ 55 11 3706 1360
Toronto	+ 1 416 628 1007

EUROPE, MIDDLE EAST & AFRICA

Cape Town	+ 27 21 673 0100
Frankfurt	+ 49 69 133 859 00
Geneva	+ 41 22 817 9777
London	+ 44 20 7618 2222
Milan	+ 39 02 5849 0415
Paris	0800 91 59 17 *

ASIA PACIFIC

China North	10800 852 1032 *
China South	10800 152 1032 *
Hong Kong	+ 852 2844 9333
Mumbai	+ 91 22 6784 9160
Seoul	00798 8521 3392 *
Singapore	800 852 3749 *
Sydney	+ 61 2 9033 9333
Taipei	008 0112 7513 *
Tokyo	+ 81 3 5290 1555

* = toll free

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