

INDEX RULE BOOK

CAC[®] Family

CAC 40[®], CAC Next 20[®],

CAC[®] Large 60, CAC[®] Mid 60, SBF 120[®],

CAC[®] Small, CAC[®] Mid & Small,

CAC[®] All-Tradable

Version 18-01

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indices.euronext.com

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1. INDEX SUMMARY

Factsheet	CAC [®] Family
Index names	CAC 40 [®] , CAC [®] Large 60, CAC [®] Mid 60, CAC Next 20 [®] , SBF 120 [®] , CAC [®] Small, CAC [®] Mid & Small, CAC [®] All-Tradable
Index type	Price indices; Net return index and Gross return index versions are also available.
Index governance structure	The Conseil Scientifique is the Supervisor and responsible for setting the rules and the periodical selection. Euronext Paris is the Administrator and is responsible for the day-to-day management of the index.
Eligible stocks	Companies admitted to listing on Euronext Paris, that fulfil screening criteria regarding (among others) the trading form, classification and trading in euro.
Selection	<p>* Companies with Euronext Paris as market of reference; and</p> <p>* Companies whose market of reference is not Euronext Paris but which fulfil specific criteria. Companies are required to have a free float adjusted annual velocity of at least 20%.</p> <p>At reviews Index Design will propose to the Conseil Scientifique selections and changes to the indices within the CAC family based on a combination of the rankings on free float adjusted market capitalization and turnover:</p> <p>The CAC 40 index consists of the 40 highest ranking companies. The 35 highest ranking companies are selected. A buffer zone, where current constituents have priority over companies that currently do not form part of the CAC 40 consists of the companies ranked 36th to 45th</p> <p>The 20 highest ranking companies not included in the CAC 40 are included in the CAC Next 20. A buffer zone, where current constituents have priority over companies that currently do not form part of the CAC Next 20 or CAC 40 will be applied for companies ranked 16th to 25th.</p> <p>The CAC Large 60 consists of all companies included in the CAC 40 in combination with the companies included in the CAC Next 20.</p> <p>The 60 highest ranking companies not included in the CAC Large 60 are included in the CAC Mid 60. A buffer zone, where current constituents have priority over companies that currently do not form part of the CAC Mid 60 or CAC Large 60 will be applied for companies ranked 56th to 65th.</p> <p>The SBF 120 consists of all companies included in the CAC Large 60 and CAC Mid 60 indices.</p> <p>All eligible companies included in the Index Universe that are not included in the SBF 120 index are included in the CAC Small.</p> <p>The CAC Mid & Small consists of all companies included in the CAC Mid 60 in combination with the companies included in the CAC Small.</p> <p>All selected stocks are included in the CAC All-Tradable.</p>
Number of constituents	As given in the names; variable for the CAC Small, CAC Mid & Small and CAC All-Tradable.
Weighting	Based on free float adjusted market capitalization. The Free Float Factor is rounded to the nearest multiple of 5%.
Capping	15%
Review of composition	Quarterly after the close of the third Friday of March, June, September and December.
Review of free float and number of shares	Annual in September, quarterly update if the Free Float Factor changes 10% or more or if the number of shares changes more than 20%.
Review of capping	Annual in September
Base Currency	Euro

Note: the factsheet is a summary of the rule book for information purposes only. The text of the rulebook is leading.

Reference Data

Index name	Isincode	Mnemo	Bloomberg Code	Reuters code	Base date	Base value	Publication since
CAC 40®	FR0003500008	PX1	CAC	.CAC40	31-12-87	1000	15-06-88
CAC 40® NR	QS0011131826	PX1NR	NCAC	.PX1NR	31-12-87	1000	03-10-94
CAC 40® GR	QS0011131834	PX1GR	CACR	.PX1GR	31-12-87	1000	03-10-94
CAC Next 20®	QS0010989109	CN20	CN20	.CN20	31-12-02	3000	03-01-05
CAC NEXT 20® NR	QS0011224092	CN20N	CN20N	CN20N	31-12-02	3000	03-10-11
CAC NEXT 20® GR	QS0011224233	CN20G	CN20G	CN20G	31-12-02	3000	03-10-11
CAC® Large 60	QS0011213657	CACLG	CACLG	.CACLG	03-01-06	5000	21-03-11
CAC Large 60 NR	QS0011213681	CACLN	CACLN	.CACLN	03-01-06	5000	21-03-11
CAC Large 60 GR	QS0011213699	CAR	CAR	.CAR	03-01-06	5000	21-03-11
CAC® Mid 60	QS0010989117	CACMD	CM100	.CACMD	31-12-02	3000	21-03-11
CAC® Mid 60 NR	QS0011131909	CACMN	CM1NR	.CACMN	31-12-02	3000	21-03-11
CAC® Mid 60 GR	QS0011131917	CACMR	CM1GR	.CACMR	31-12-02	3000	21-03-11
CAC® Mid & Small	QS0010989133	CACMS	MS190	.CACMS	31-12-02	3000	03-01-05
CAC Mid & Small NR	QS0011213731	CMSN	CMSN	CMSN	31-12-02	3000	03-10-11
CAC Mid & Small GR	QS0011213756	CMSG	CMSG	CMSG	31-12-02	3000	03-10-11
CAC® Small	QS0010989125	CACS	CS90	.CACS	31-12-02	3000	03-01-05
CAC® Small NR	QS0011213707	CACSN	NCS90	.CACSN	31-12-02	3000	03-10-11
CAC® Small GR	QS0011213723	CACSR	RCS90	.CACSR	31-12-02	3000	03-10-11
SBF 120®	FR0003999481	PX4	SBF120	.SBF120	31-12-90	1000	31-12-90
SBF 120® NR	QS0011131842	PX4NR	SBF120NT	.PX4NR	31-12-90	1000	31-12-90
SBF 120® GR	QS0011131859	PX4GR	SBF120R	.PX4GR	31-12-90	1000	31-12-90
CAC® All-Tradable	FR0003999499	CACT	SBF250	.CACT	31-12-90	1000	31-12-90
CAC® All-Tradable NR	QS0011131883	CACTN	SBF250NT	.CACTN	31-12-90	1000	31-12-90

Version notes

18-01 Change of definition of Free Float Factor and move of Review Cut-Off date, update of governance naming

2. GOVERNANCE AND DISCLAIMER

2.1 INDICES

This rule book applies to the following indices (hereinafter “index”) owned by Euronext N.V. or its subsidiaries (hereinafter jointly “Euronext”):

- CAC 40
- CAC Large 60
- CAC Mid 60
- CAC Next 20
- SBF 120
- CAC Small
- CAC Mid & Small
- CAC All-Tradable

2.2 ADMINISTRATOR

Euronext Paris is the Administrator of the index. All aspects of the management of the index are within the responsibility of the Administrator.

2.3 INDEX MANAGEMENT

Euronext Index Operations is responsible for day-to-day operational maintenance of all national and cross-border stock indexes (including sector indexes). This includes deciding on operational adjustments following corporate actions that have an impact on constituent shares and the preparation of periodical reviews according to the rules that are currently in force.

The Index Design team is responsible for the rules governing Corporate Actions and will decide in cases that require specific interpretation. For cases with significant potential impact Index Design will liaise with the Index Panel for advice. The Index Panel consists of specialists from various business lines within Euronext. Moreover Index Design is responsible for presenting periodical selections and re-weightings to the Steering Committees and developing index rules refinements whenever necessary. Index Design will hold regular meetings with Index Operation on the ongoing development of rules as well as on the results of reviews. In case of (potential) legal angles, Index Design will liaise with the legal representative in the Index Panel.

Index Design will inform and if necessary convene the Index Panel on issues that might raise questions from market participants or for which there are more viable solutions; setting precedents. The Index Panel is responsible for approving rules that do not fall under the scope of the Steering Committees.

Members of the Index Design Panel or their delegates are hands-on market experts with experience in dealing with corporate actions, knowledgeable about index rules and index design, and to have good quantitative skills. They need to have quick access to information in their own area of expertise, which may be needed to support operational decision-making. Although the members are selected as representatives of several business lines, the main assignment for the Index Panel is to take decisions in the general interest of the index and all its users.

2.4 SUPERVISOR

The Conseil Scientifique is appointed as independent supervisor of the index (“Supervisor”). The Supervisor is responsible for monitoring the selection of constituents for the index and ensuring that the index offers a reliable and representative view of the market. All decisions regarding supplementing, amending, revising or withdrawing these rules are submitted to the Supervisor for approval. All Supervisor decisions will be published without delay following the decision (after market close). The Conseil Scientifique consists of independent persons. The composition and responsibilities of the Conseil Scientifique are laid down in the Rules of Procedure document that is available on the website.

2.5 CASES NOT COVERED IN RULES

In cases which are not expressly covered in these rules, operational adjustments will take place along the lines of the aim of the index. Operational adjustments may also take place if, in the opinion of Index Design, it is desirable to do so to maintain a fair and orderly market in derivatives on this index and/or this is in the best interests of the investors in products based on the index and/or the proper functioning of the markets. Index Design will report to the Supervisor if it took a decision about a case which is not specifically covered in the rules for comments and review.

2.6 RULE BOOK CHANGES

These rules may be supplemented, amended in whole or in part, revised or withdrawn at any time. Supplements, amendments, revisions and withdrawals may also lead to changes in the way the index is compiled or calculated or affect the index in another way. Index Design will submit all decisions regarding supplementing, amending, revising or withdrawing these rules to the Supervisor for recommendations or approval.

2.7 LIABILITY

Euronext and the Supervisor are not liable for any losses resulting from supplementing, amending, revising or withdrawing the rules for the index.

Euronext will do everything within its power to ensure the accuracy of the composition, calculation, publication and adjustment of the index in accordance with relevant rules. However, neither Euronext, nor the Supervisor are liable for any inaccuracy in index composition, share prices, calculations and the publication of the index, the information used for making adjustments to the index and the actual adjustments. Furthermore, Euronext and the Supervisor do not guarantee the continuity of the composition of the index, the continuity of the method of calculation of the index, the continuity of the dissemination of the index levels, and the continuity of the calculation of the index.

2.8 OWNERSHIP AND TRADEMARKS

Euronext owns all intellectual and other property rights to the index, including the name, the composition and the calculation of the index. CAC®, CAC 40®, CAC Next 20® and SBF 120® are registered trademarks of Euronext.

3. PUBLICATION

3.1 DISSEMINATION OF INDEX VALUES

3.1.1 Opening

The opening level is calculated using the last known prices of traded constituents or in the case of constituents that have non-traded, halted or suspended status, the previous day reference prices or estimated prices (for IPOs, buyouts and swap offers).

The official opening level is the first level published after a share price is available for all constituents. Index levels published before the official opening level is published are considered pre-opening index levels.

If, for whatever reason, share prices are not available for all constituents five minutes after Euronext Markets (as defined in the Euronext harmonised rule book) started regular daytime trading, the official opening level will be published as soon as the companies whose share prices are available of the current trading day represent at least 80% of the value of the index at the close of the previous trading day.

3.1.2 Calculation and dissemination

The index is calculated based on the most recent prices of transactions concluded on Euronext Markets. The level of the index is in principle published every 15 seconds. The index is calculated from 09:00 hours until Euronext Markets stop regular daytime trading on the days when the Euronext Markets are open for trading.

3.1.3 Closing level

The closing level is the last level disseminated on the trading day.

3.1.4 Reference level

A preliminary reference level (opening), based on the openings of underlying constituents, will be disseminated when all constituents are open for trading.

The confirmation reference level (opening) is disseminated after the market close. The reference level (opening) is calculated on the basis of the (official) opening prices.

The High or Low of the day will not be overwritten by either of the reference levels if this level lies outside the current range. For constituents that have halted or suspended status and that haven't been open for trading, the previous day reference prices or estimated prices (for IPOs, buyouts and swap offers) are used, instead.

3.2 EXCEPTIONAL MARKET CONDITIONS AND CORRECTIONS

In the event that part of the constituents is reserved, suspended from trading or if technical problems prohibit normal trading, index values will continue to be calculated and published. For those constituent stocks that are not available for trading, the last known value will be used when determining index values.

Notwithstanding the previous paragraph Index Operations always retains the right to delay the publication of the opening level of the index. Furthermore, Index Operations always retains the right to suspend the publication of the level of the index or to mark the level of the index indicative if it believes that circumstances prevent the proper calculation of the index.

If prices are cancelled, the index will not be recalculated unless the Index Design decides otherwise.

If after the market opens the index remains in pre-opening during the entire trading session, the reference closing level of the index will be calculated on the basis of the most recent traded prices, or the most recent reference price (possibly adjusted to account for corporate actions).

The general procedures in case of index outages and other situations in which the normal provision of indices is interrupted are described in Euronext Indices Correction Policy on indices.euronext.com/index-rules.

3.3 ANNOUNCEMENT POLICY

The announcement policy is described in the Euronext Indices Announcement policy document that is available on indices.euronext.com/index-rules.

4. CALCULATION

4.1 CALCULATION OF THE PRICE INDEX

The index is calculated on a price return basis. The calculation is based on the current free float market capitalization divided by the divisor. The divisor was determined on the initial capitalization base of the index and the base level. The divisor is adapted as a result of corporate actions and composition changes.

4.2 CURRENCY CONVERSION

The base currency of the index is Euro (“Base Currency”).

Share prices that are quoted in other currencies than the Base Currency will be converted to the Base Currency using the last known exchange rate observed on Reuters. Closing prices will be converted based on the most recent WM/Reuters spot rates, which are published each business day around 17:00 CET.

4.3 TOTAL RETURN INDEX CALCULATION

4.3.1 Return indices

A net total return index as well as a gross total return index, is calculated and disseminated at the same frequency as the price index. The return indices are obtained by reinvesting the net and gross dividends respectively.

4.3.2 Withholding tax rate

The net dividend is calculated as the gross dividend minus the applicable withholding tax. A table detailing the percentages that are applied is available on the website of Euronext.

4.3.3 Ordinary dividends in shares

If a dividend is distributed in the form of shares only and if this is regarded as ordinary dividend, the return index will be reinvesting a cash equivalent of the dividend. If shareholders may choose between cash or shares the amount which is reinvested will be based on the cash option.

4.3.4 Conversion of dividends declared in other currencies

If a dividend for a constituent is declared in another currency than the Base Currency of the index, then in first instance the Base Currency amount will be used if investors have the option to be paid in that currency. If the dividend amount is available only in currencies that deviate from the Base Currency, the dividend amount will be converted using the reference rate for the cum-day (the business day prior to the ex-date). In principle the reference rate will be based on the foreign exchange reference rates as published daily by the ECB.

5. INDEX REVIEWS

5.1 GENERAL AIM AND FREQUENCY OF REVIEWS

5.1.1 General aim of the periodical review

The general aim of the periodical review of the index is to ensure that the selection and weighting of the constituents continues to reflect the underlying market or market segment it represents.

5.1.2 Review Cut-Off Dates and Review Effective Dates

The Review Cut-Off Date (see 8. Definitions) is after the market close of the penultimate¹ Friday of August (for the annual review), February, May and November (for the quarterly reviews).

The Review Effective Date is after the market close of the third Friday of September (the annual review), March, June and December (quarterly reviews).

5.2 ELIGIBLE COMPANIES AND SELECTION

5.2.1 Index universe

The universe of the index is defined as companies that have been admitted to listing on Euronext Paris' regulated market.

The index consists of:

- a. Companies with Euronext Paris as Market of Reference; and
- b. Companies with a Market of Reference other than Euronext Paris that may continue to be included in the CAC 40 family as long as they qualify based on
 1. The significant presence (relative to the size of the group) of business assets and/or head-office activities in France and/or employment of significant numbers of staff in France; or
 2. Significant trading volumes on related derivative instruments in Paris ; or
 3. The fact that the company was included in the CAC family on 1 January 2014 in so far 1. and/or 2. are still applicable.

COMPANIES THAT CHANGE THEIR MARKET OF REFERENCE

If a company changes its Market of Reference to a Market of Reference other than Euronext Paris as a result of a merger or similar situation, the company will continue to be eligible for the CAC family. At each annual review, the Supervisor retains the right to decide on the eligibility of the new entity based on the criteria stipulated in 5.2.1 b. 1 and/or 5.2.1 b. 2.

A company changing the Market of Reference for other reasons may be removed from the CAC family at the annual review regardless of the criteria stipulated in 5.2.1 b. 1 and/or 5.2.1 b. 2.

5.2.2 Exclusion of constituents

The shares of the following companies are excluded from the index:

- a. Holding companies of companies admitted to listing on Euronext Paris;
- b. Companies whose shares are allocated to the Recovery Box or Penalty Bench;
- c. Shares quoted in currencies other than Euro;
- d. Shares not traded continuously; Warrants, rights and other derivative securities.

The constituents of the index are not required to fulfil a minimum free float criterion.

5.2.3 Selection basis

RANKING

Companies are selected based on a combination of two rankings:

- a. The value of Regulated Turnover (see section 8. Definitions) observed over a 12-month period; and
- b. The free float adjusted market capitalisation on the Review Cut-Off Date.

¹ Penultimate means the one immediately before the last one, so the Friday before the last Friday.

LIQUIDITY SCREENING

At the annual review the shares of a company must have a free float adjusted annual trading velocity of at least 20%. In other words, their Regulated Trading Volume should represent at least 20% of the free float adjusted total number of shares listed on Euronext Paris, calculated over the course of the full 12-month period relevant for the review. Velocity is calculated on a daily basis by dividing the number of shares traded by the number of shares listed. These daily figures are added up to calculate the annual velocity. At quarterly reviews the minimum free float adjusted velocity is 30%, while for current constituents a minimum of 10% is required.

The free float percentage that is used in the velocity calculation is based on the Free Float Factor on the Review Cut-Off Date. However, the free float percentage used in the velocity calculation shall always be at least 25%.

In order to preserve a tradable constitution of the index family, Index Design performs an extensive liquidity analysis. This analysis mainly consists of the trading volume relative to the available share capital observed over the preceding year as well as the last quarter. In case of a demerger the velocity prior to the event is assumed to apply for all resulting entities. In case of a merger, Index Design will take into account the velocity of the merging entities prior to the event as well as the velocity of the merged entity in deciding whether the company meets the free float velocity threshold.

5.2.4 Selection of constituents at the quarterly reviews (in March, June, September and December)

The CAC 40 index is designed to reflect the general trends in the trading of shares listed on Euronext Paris. Changes are made on a quarterly basis and reflect the changes in size and turnover of the companies in the Universe. Index Design and Conseil Scientifique may exceptionally decide to deviate from the outcome of the rankings if this is in the interest of the users of the index. Guiding principles for such decision are tradability of the index, minimising index turnover and representativeness.

At reviews Index Design will propose to the Conseil Scientifique selections and changes to the indices within the CAC family based on a combination of the rankings on free float adjusted market capitalization and turnover:

- The CAC 40 index consists of the 40 highest ranking companies. The 35 highest ranking companies are selected. A buffer zone, where current constituents have priority over companies that currently do not form part of the CAC 40 consists of the companies ranked 36th to 45th.
- The CAC Next 20 index consists of the 20 highest ranking companies not included in the CAC 40. A buffer zone, where current constituents have priority over companies that currently do not form part of the CAC Next 20 or CAC 40 consists of the companies ranked 16th to 25th.
- The CAC Large 60 index consists of all companies included in the CAC 40 in combination with the companies included in the CAC Next 20.
- The CAC Mid 60 index consists of the 60 highest ranking companies not included in the CAC Large 60. A buffer zone, where current constituents have priority over companies that currently do not form part of the CAC Mid 60 or CAC Large 60 consists of the companies ranked 56th to 65th.
- The SBF 120 index consists of all companies included in the CAC Large 60 in combination with the companies included in the CAC Mid 60.
- The CAC Small index consists of all companies included in the Index Universe that fulfil the minimum Trading Velocity requirement and are not included in the SBF 120.

The CAC Mid & Small index consists of all companies included in the CAC Mid 60 in combination with the companies included in the CAC Small.

The CAC All-Tradable index consists of all companies included in the Index Universe that fulfil the Minimum Trading Velocity requirement (see section 5.2.3 above for detail).

5.2.5 Selected line

As only one listing – the most active one - is permitted per company, the listing representing the company's ordinary shares is generally used.

5.3 PERIODICAL UPDATE OF WEIGHTING

5.3.1 Update of number of shares and Free Float Factors at the annual review

At annual reviews, the number of shares included in the index will be updated with the number of shares listed on the Review Cut-Off Date, taking into account adjustments due to Corporate Actions as described in Chapter 6.

All Free Float Factors are updated at the annual review.

5.3.2 Update of number of shares and Free Float Factors at the quarterly reviews

At quarterly reviews, both the number of shares included in the index and the Free Float Factor will be updated if the Free Float Factor on the Review Cut-Off date deviates by 10% or more from the Free Float Factor currently applied in the index (2 or more bands) and/or if the number of shares listed on the Review Cut-Off Date, deviates by more than 20% from the current number of shares included in the index.

In the case of an update the new numbers of shares are based on the number of shares listed on the Review Cut-Off Date, taking into account adjustments due to Corporate Actions as described in Chapter 6.

Index Design may decide not to update the number of shares for companies after a merger or similar situation.

In the case where the free float adjusted number of shares changes for companies with a capping factor less than 1, the capping factor will be recalculated such that the capped free float adjusted number of shares remains unchanged at the quarterly review.

5.3.3 Capping

A maximum weighting of 15% is applied to each index constituent at the annual review. The assessment and new capping coefficients are based on the Review Composition Announcement Date. Capping factors are not updated at quarterly reviews for companies that continue to be included in an index.

5.3.4 Companies added at the quarterly review

For companies, if any, to be added to an index at the quarterly review, the weightings in terms of number of shares in the index and Free Float Factor are determined based on the Review Cut-Off Date, while the capping factor is determined based on the Review Composition Announcement Date. The weight of companies that are added is subject to a maximum of 15%.

5.4 ADJUSTMENTS TO THE OUTCOME OF THE REVIEW

In the event of a takeover or other exceptional circumstances, the Supervisor has the right to revise the selection from the time the announcement is published up to the Review Composition Announcement Date.

The Supervisor will not change the outcome of the review for events that happen after the Review Composition Announcement Date. Corporate actions happening before the Review Effective Date will lead to an update of the new composition that is in line with the treatment according to chapter 6.

6. CORPORATE ACTIONS

6.1 GENERAL

The index may be adjusted in order to maintain the continuity of the index level and the composition. The underlying aim is that the index continues to reflect as closely as possible the value of the underlying portfolio.

Adjustments take place in reaction to events that occur with constituents in order to mitigate or eliminate the effect of that event on the index.

6.2 REMOVAL OF CONSTITUENTS

A constituent will be removed from the index if it has appeared that the liquid trading will be significantly affected due to a takeover, merger, bankruptcy or has ceased to be a viable constituent as defined by the rules. The constituent in question will either be removed or will be replaced by the acquiring company.

If a company is removed from the index, the divisor will be adapted to maintain the index level.

6.2.1 Takeovers, mergers and acquisitions

In the event of a bid in cash, the target company will be removed from the index. In the event of a merger, acquisition or similar situation where the bid is made in the form of shares, the target company will be replaced by the company taking over, provided that this company complies with the requirements for inclusion in the index in line with the criteria defined in the index reviews section.

The removal or replacement will take place after the close of the first (full) business day after the offer is declared unconditional or successful. The replacement of the shares of the relevant index constituent by the shares of the company that continues to be traded will be executed on the basis of the bid ratio.

In case of a mixed bid of cash and shares the Index Design will treat the bid as a share bid if the share part amounts to at least 75% of the offer price, on the day of the publication of the terms of the offer. The replacement of the shares of the relevant index constituent by the shares of the company that continues to be traded will be executed on the basis of the bid ratio. The divisor will be adapted only for the cash part of the offer price.

The Index Design reserves the right to apply a specific treatment in non-standard situations including but not limited to:

- Competing bids with differing closing dates or structures;
- Offers made without the intention to gain full control.

A separate announcement detailing the specific treatment will be issued timely to the market.

6.2.2 Suspensions and delistings

If a constituent is suspended, Index Design will consider whether the constituent should be removed or not within five trading days. If it is decided to maintain the constituent a further reassessment date will be set. Index Design reserves the right to take action before that date if new developments give reason to do so.

In case a constituent is removed following suspension, it will be removed from the index as soon as possible and on a day announced by Index Design. The company will be removed from the index after the close of the markets assuming a price of zero unless Index Design sets a different price, where possible supported by an objective source.

If it has been announced that a constituent will be delisted from Euronext, it will be removed from the index as soon as possible and on a day determined by Index Design. The company will be removed from the index based on either the last known price established during regular daytime trading or on a price determined by Index Design, whereby the company may also be removed at a price of zero.

Removing assuming a price of zero implies no divisor change because of the removal. If another price is set, the divisor will change based on the removal of the value of that company from the index portfolio when applying that price.

6.2.3 Pricing sources

In the event that the trading in shares is suspended, the last known price established during regular daytime trading will be used.

6.3 SPLIT UP / SPIN-OFF

In the event that a company included in the index is split up, the companies resulting from the split, including the original company where appropriate will continue to be included in the index providing they still qualify as an eligible company in their own right. The index may then temporarily consist of fewer than, or more than the standard number of constituents until the next periodical review takes place.

For the purposes of these rules a split up is taken to mean a legal demerger, a spin-off or another situation which Index Design deems to be similar.

In case the shareholder of the company which was originally included in the index does not automatically receive shares in a company which is created as a result of the split up, this company is considered to be a newly listed company.

The removal of any non-qualifying company resulting from a split up will take place after the close of the first day of trading in the shares of that company. If all companies resulting from the split are to be removed, the removal will take place at the close of the last trading day before the split.

6.4 EARLY INCLUSION OF NON-CONSTITUENTS

As a rule newly listed companies are considered for inclusion in the index at the time of the periodical index rebalancing.

6.5 DIVIDENDS

6.5.1 Distinction ordinary and special dividend

The price index will be adjusted for dividends that are special.

The following criteria will be applied to decide whether a dividend should be considered a special dividend:

- a) The declaration of a company of a dividend additional to those dividends declared as part of the company's normal results and dividend reporting cycle; merely an adjustment to the timing of the declaration of a company's expected dividend would not be considered as a special dividend circumstance; or
- b) The identification of an element of a dividend paid in line with a company's normal results and dividend reporting cycle as an element that is unambiguously additional to the company's normal payment.

For the purpose of clarification, no adjustment will be made for the following situations:

1. Payment of ordinary dividends, irrespective of how they are financed;
2. Issue of redeemable shares or any other entitlement in lieu of an ordinary dividend; or
3. Unexpected increase or decrease, resumption or cessation, or change in frequency to an ordinary dividend.

6.5.2 Adjustment for special dividend

The adjustment of the index takes place by a reduction of the closing price of the share in question. Subsequently the divisor will be adapted in order to maintain the index level. The adjustments will be based on gross amounts.

6.6 RIGHTS ISSUES AND OTHER RIGHTS

In the event of a rights issue the new shares will be included in the index on the ex-date of the rights issue and an adjusted closing price will be applied as calculated by Index Operations. The adjustment will be made based on the shares currently in the index. The divisor will be adapted in such a way that the level of the index remains the same.

The new shares are only added if less than 0.4 share is issued for every share that is currently held and if the new shares are fungible with the existing line of shares (e.g. no dividend disadvantage). Otherwise the index is adjusted based on the value of the rights only.

The index will be adjusted only if the rights represent a positive value.

The index will also be adjusted if a value can be attributed to a subscription right for convertible bonds, bonds with warrants or warrants with preferential rights for shareholders or similar situations. If the value cannot be attributed straightforward, Index Design may also decide to include the detached instrument for one day and adjust the index at the close based on the closing price for that subscription right on that day.

6.7 BONUS ISSUES, STOCK SPLITS AND REVERSE STOCK SPLITS

For bonus issues, stock splits and reverse stock splits, the number of shares included in the index will be adjusted in accordance with the ratio given in the corporate action. The divisor will not be changed because of this. Index Design may regard a bonus issue as the issue of an entitlement in lieu of an ordinary dividend and therefore treat this in accordance with 6.5.1.

6.8 CHANGES IN NUMBER OF SHARES OR FREE FLOAT FACTORS

In between the reviews the number of shares included in the index and Free Float Factors will remain unchanged.

6.9 PARTIAL TENDER OFFERS ON OWN SHARES

The divisor of the index will be adjusted if the premium represents more than 5% of the share price of the close on the penultimate day before the ex-date (the day prior to the last day before the ex-day). The premium is calculated as the difference between the offered price and the closing price, multiplied by the percentage of the share capital targeted in the offer. If the divisor is adjusted, the number of shares in the index will be adjusted as well.

7. INDEX CALCULATION FORMULAS

The general formula for the **price index** is:

$$I_t = \frac{\sum_{i=1}^N Q_{i,t} F_{i,t} f_{i,t} C_{i,t} X_{i,t}}{d_t}$$

Where:

- t Time of calculation
- N Number of constituent equities in index
- $Q_{i,t}$ Number of shares of equity i included in the index on day t
- $F_{i,t}$ Free Float Factor of equity i ²
- $f_{i,t}$ Capping factor of equity i ¹
- $C_{i,t}$ Price of equity i on t
- $X_{i,t}$ Current exchange rate on t ¹
- d_t Divisor of the index on day t

The **total return index** calculation takes two steps: the first step is to transpose the announced dividend payment into index points. This is called the XD adjustment. This uses the following formula:

$$\text{XD adjustment} = \sum_{i=1}^N \frac{g_i * w_i}{d}$$

Where:

- N Number of constituent equities in index
- g_i The announced dividend per share of the i^{th} component stock (for net return index withholding tax is deducted from this dividend);
- w_i The weighting of the i^{th} component stock in the index, based on number of shares included in the index, Free Float Factor, capping factor and exchange rate;
- d Divisor of the index.

The second step of the calculation uses the figures calculated in step one (XD adjustment). The dividend is assumed to be reinvested at the close of the ex-date.

$$\text{TR}_t = \text{TR}_{t-1} \left(\frac{\text{IV}_t + \text{XD}}{\text{IV}_{t-1}} \right)$$

Where:

- TR_{t-1} : Total return index value yesterday;
- TR_t : Total return index value on t;
- IV_{t-1} : Underlying price index yesterday;
- IV_t : Underlying price index on t;

² Factor is equal to 1 if not applied for the index

8. DEFINITIONS

8.1 FREE FLOAT FACTOR

The Free Float Factor is the percentage representing all listed securities of the selected line of the relevant company eligible for index inclusion (as described in section 5.2), minus any shareholdings that are considered non-free float. The Free Float Factor is based on public information available on the Review Cut-Off Date. The Free Float Factor will be rounded to the nearest 5%.

The following shareholdings are considered non-free float (based on public information available on the Review Cut-Off Date):

- Any single shareholder who holds 5% or more of the listed securities in the selected line eligible for index inclusion, with the exception of collective entities or pension funds.

Collective entities are those entities that fulfill all the following criteria:

- i. are open for investment to investors or tradable on the market; and
- ii. have a diversified portfolio; and
- iii. have an open ended structure.

Collective entities include mutual funds and other open end-funds.

- Collective entities or pension funds that hold 5% or more of the listed securities in the selected line eligible for index inclusion and are represented in any governing body of the company in question.
- Parties acting in concert that collectively hold 5% or more of the listed securities in the selected line eligible for index inclusion.
- Employee shareholding plans, employee pension plans, individual employees, management or members of the board of directors of the relevant company when their cumulative shareholding is 5% or more of the listed securities in the selected line eligible for index inclusion.
- Shares held by the relevant company that represent 5% or more of the listed securities in the selected line eligible for index inclusion (e.g. treasury shares).

8.2 REVIEW RELEVANT DATES

The **Review Cut-Off Date** is the date on which, after the market close, relevant data are gathered that will serve as basis for the periodical review of the index.

The **Review Announcement Date** is the date on which, after the market close, the changes relating to the periodical review are announced as well as the preliminary Free Float Factors.

The **Review Effective Date** is the date on which, after the market close, the changes relating to the periodical review are being effectuated in the index portfolio.

The **Review Composition Announcement Date** is the date on which, after the close, the full details are announced regarding the index composition that will come into effect after the review effective date. This includes numbers of shares, Free Float Factors and capping factors of all companies included in the new index portfolio.

8.3 REGULATED TURNOVER AND REGULATED TRADING VOLUME

Regulated Turnover consists of value of turnover traded via the Euronext electronic order book as well as the value of turnover from off-exchange transactions within the scope of Euronext's regulatory environment, such as block trades and the like.

If a company's value of Regulated Turnover is not available for the entire relevant period, the available value of Regulated Turnover will be extrapolated to the entire relevant period. In such cases, the value of Regulated Turnover during the first twenty trading days that the company was admitted to listing on Euronext will be ignored.

In the event of a spin-off, a split-up or a similar corporate event, the value of Regulated Turnover before the corporate event will be assigned to the companies resulting from the corporate event based on the ratio of

the corporate event. The ratio is determined based on the market capitalisation of the resulting entities after the first day of trading. The value of Regulated Turnover will be assigned if a spun-off division is listed as an independent company.

Index Design may take into account additional factors like the distribution of the trading or may decide to disregard extraordinary spikes in volume. Examples of such additional analysis are:

- Companies with an exceptional trading pattern: for instance one day of trading that accounts for more than 50% of the total turnover;
- Companies with a changed turnover pattern after a corporate action or takeover attempt;
- Mergers of companies.