

INDEX RULE BOOK

AEX[®] Equal Weight

CAC 40[®] Equal Weight

CAC[®] Large 60 Equal Weight

CAC[®] Large 60 Equal Weight JPY HEDGED

Version 20-01

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indices.euronext.com

Index

1. Index Summary		3
2. Governance and Disclaimer		5
2.1 Indices	5	
2.2 Supervisor	5	
2.3 Compiler	5	
2.4 Cases not covered in rules	5	
2.5 Rule book changes	5	
2.6 Liability	5	
2.7 Ownership and trademarks	6	
3. Publication		7
3.1 Dissemination of index values	7	
3.2 Exceptional market conditions and corrections	7	
3.3 Announcement policy	7	
4. Calculation		8
4.1 Calculation of the price index	8	
4.2 Currency conversion	8	
4.3 Total return index calculation	8	
4.4 Currency Hedged Calculation	8	
5. Index reviews		9
5.1 General aim and frequency of reviews	9	
5.2 Index universe and selection principle	9	
5.3 Periodical update of weighting	9	
6. Corporate Actions		10
6.1 General	10	
6.2 Removal of constituents	10	
6.3 Split up / spin-off	10	
6.4 Early inclusion of non-constituents	11	
6.5 Dividends	11	
6.6 Rights issues and other rights	11	
6.7 Bonus Issues, stock splits and reverse stock splits	11	
6.8 Changes in number of shares or Free Float	12	



7.	Index Calculation Formulas	13
8.	Definitions	15
8.1	Index Steering Committee	15
8.2	Compiler	15
9.	ESG Disclosures	16

1. INDEX SUMMARY

Factsheet	AEX [®] and CAC [®] Equal Weight indices
Index names	AEX [®] Equal Weight Index, CAC 40 [®] Equal Weight Index, CAC [®] Large 60 Equal Weight, CAC Large 60 EW NR JPY Hedged, CAC Large 60 EW NR JPY
Index type	Price; Net return and Gross return indices. JPY and JPY Hedged
Underlying Index	CAC 40 [®] , AEX [®] , CAC [®] Large 60
Index governance structure	The index follows the selection of the underlying index, which is under supervision of an independent steering committee. Euronext acts as the Compiler and is responsible for the day-to-day management of the index.
Eligible stocks	Companies included in underlying index.
Selection	Same composition as the underlying index on review date
Number of constituents	25, 40, 60
Weighting	Rebalanced to equal weight at each quarterly review
Capping	n.a.
Review of composition	Follows annual/quarterly review scheme of underlying index. Effective after the third Friday of March, June, September and December.
Rebalancing	Quarterly. Effective after the third Friday of March, June, September and December.
Review of number of shares	n.a.
Base Currency	Euro

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

Reference Data

Index name	Isincode	Mnemo	Bloomberg Code	Reuters code	Base date	Base value	Publication since
CAC 40® Equal Weight	QS0011159777	CACEW	CACEW	.CACEW	31-12-08	1000	22-06-09
CAC 40® Equal Weight NR	QS0011211198	CACEN	CACEN	.CACEN	31-12-08	1000	20-12-10
CAC 40® Equal Weight GR	QS0011211214	CACEG	CACEG	.CACEG	31-12-08	1000	20-12-10
AEX® Equal Weight	QS0011159744	AEXEW	AEXEW	.AEXEW	31-12-08	1000	22-06-09
AEX® Equal Weight NR	QS0011211206	AEXEN	AEXEN	.AEXEN	31-12-08	1000	20-12-10
AEX® Equal Weight GR	QS0011211222	AEXEG	AEXEG	.AEXEG	31-12-08	1000	20-12-10
CAC Large 60 Equal Weight	FR0012663292	CLEW	CLEW	.CLEW	31-12-08	1000	24-4-15
CAC Large 60 Equal Weight NR	FR0012663300	CLEWN	CLEWN	.CLEWN	31-12-08	1000	24-4-15
CAC Large 60 Equal Weight GR	FR0012663318	CLEWG	CLEWG	.CLEWG	31-12-08	1000	24-4-15
CAC Large 60 EW NR JPY Hedged	FR0013134848	CLEWJ	CLEWJ	.CLEWJ	30-10-15	1000	15-3-16
CAC Large 60 EW NR JPY	FR0013134855	CLEJP	CLEJP	.CLEJP	30-10-15	1000	15-3-16

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”):

- AEX Equal Weight index
- CAC 40 Equal Weight index
- CAC Large 60 Equal Weight index

The underlying index (hereinafter “Underlying Index”) is respectively

- AEX®
- CAC 40®
- CAC® Large 60

The JPY index (hereinafter “JPY Index”) is

- CAC® Large 60 EW NR JPY

2.2 SUPERVISOR

The AEX Steering Committee and the Conseil Scientifique respectively act as independent Supervisors of the Underlying Index. 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.

2.3 COMPILER

Euronext is the compiler of the index (“Compiler”). The Compiler is responsible for the day-to-day management of the index and is also responsible for decisions regarding the interpretation of these rules.

2.4 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 the Compiler, 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. The Compiler 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.

2.5 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. The Compiler will submit all decisions regarding supplementing, amending, revising or withdrawing these rules to the Supervisor for recommendations or approval.

2.6 LIABILITY

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

The Compiler 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 Compiler, 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, the Compiler 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.

2.7 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. AEX[®], AEX-Index[®], CAC[®] and CAC 40[®] 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.

3.2 EXCEPTIONAL MARKET CONDITIONS AND CORRECTIONS

The Compiler retains the right to delay the publication of the opening level of the index. Furthermore, the Compiler retains the right to suspend the publication of the level of the index 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 Compiler decides otherwise.

If the index remains in pre-opening phase during the entire trading session, the last published pre-opening level of the index will be used as the official closing level of the index for that day. In such cases, the Compiler will not calculate an official opening level for the index.

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 numbers of shares included in the index of each constituent multiplied by the most recent price and subsequently 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”).

The base currency of the JPY index is Japanese Yen.

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 the Compiler will in first instance use the Base Currency amount 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 Compiler will convert the dividend amount 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.

4.4 CURRENCY HEDGED CALCULATION

The currency hedged index replicates the strategy that aims to eliminate currency risk by selling 1-month forward contracts at the close of the last trading day of each month.

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 Effective date of reviews

The reviews become effective after the market close of the third Friday of March, June, September and December (quarterly reviews).

5.2 INDEX UNIVERSE AND SELECTION PRINCIPLE

5.2.1 Selection

At each periodical review the companies that are expected to be included in the Underlying Index Review Effective Date, are selected for the index.

5.2.2 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

The new weightings in shares of the constituents are based on the new composition of the Underlying Index in combination with the closing prices of the Review Composition Announcement Date of the Underlying Index.

The new weightings are calculated such that each constituent will have an equal weight in the index. The weightings will be rounded to the nearest whole number.

5.3.2 Free Float

Not applied for this index.

5.3.3 Capping

Not applied for this index.

5.3.4 Companies added at the quarterly review

Not applied for this index.

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

Constituents which are removed from an Underlying Index will be removed simultaneously from the Equal Weight index.

If a company is removed from the index, the divisor will be adapted to maintain the index level. All adjustments except for rights issues will follow the treatment in the Underlying Index, which are described hereafter for information purposes.

6.2.1 Mergers and acquisitions

If the effect of a merger or takeover is that one constituent is absorbed by another constituent the resulting company will remain a constituent of the index.

If the merger offer takes place in the form of shares, the shares of the target will be replaced by the shares of the acquirer in accordance with the terms of the offer, unless the acquirer won't be included in the Underlying Index.

Companies which are added to the composition of the Underlying Index or which are re-entered after a temporary removal, will not be added to the Equal Weight indices until the next periodical review.

6.2.2 Delistings, suspensions and company distress

Constituents which are removed from an Underlying Index will be removed simultaneously from the Equal Weight index.

The company will be deleted from the index based on either the last known price established during regular daytime trading or else a price determined by the Compiler, whereby the company may also be deleted at EUR 0.

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 normal number of companies 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 the Compiler 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 index is adjusted based on the value of the rights only. The divisor will be adapted in such a way that the level of the index remains the same.

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.

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. The Compiler 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

Not applied for this index.

7. INDEX CALCULATION FORMULAS

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

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

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 ¹
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.

$$TR_t = TR_{t-1} \left(\frac{IV_t + \text{XD}}{IV_{t-1}} \right) \text{ Where:}$$

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;

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

The **hedged index** calculation replicates the strategy that aims to eliminate currency risk by selling 1-month forward contracts at the close of the last trading day of each month.

$$H_IDX_t = H_IDX_0 * \left(\frac{UH_IDX_t}{UH_IDX_0} - \left(\frac{FF}{FX} - 1 \right) \right)$$

Where

- H_IDX_t is the hedge index at time of calculation,
- H_IDX_0 is the hedge index at the close of the previous month,
- UH_IDX_t is the unhedged index at the time of calculation.
- UH_IDX_0 is the unhedged index at the close of the previous month.
- FF is the forward rate at the close of the previous month,
- and FX is the WM fixing on day T.

8. DEFINITIONS

8.1 INDEX STEERING COMMITTEE

Committee consisting of independent persons which acts as supervisor to the (underlying) index and to which all decisions regarding supplementing, amending, revising or withdrawing these rules are submitted for approval. The composition and responsibilities of the Index Steering Committee are laid down in the Rules of Procedure document that is available on the website indices.euronext.com.

8.2 COMPILER

Committee of Euronext officials appointed by Euronext.

9. ESG DISCLOSURES

EXPLANATION OF HOW ESG FACTORS ARE REFLECTED IN THE KEY ELEMENTS OF THE BENCHMARK METHODOLOGY	
Item 1. Name of the benchmark administrator.	Euronext Amsterdam
Item 2. Type of benchmark	Equity Benchmark
Item 3. Name of the benchmark or family of benchmarks.	AEX-EW
Item 4. Does the benchmark methodology for the benchmark or family of benchmarks take into account ESG factors?	No
Item 5. If the response to Item 4 is positive, please find below the ESG factors that are taken into account in the benchmark methodology and how they are used for selection, weighting and exclusion	
a) List of environmental factors considered:	Not applicable
b) List of social factors considered:	Not applicable
c) List of governance factors considered:	Not applicable
Item 6. Data and standards used.	
a) Data input. <i>(i) Describe whether the data are reported, modelled or, sourced internally or externally.</i> <i>(ii) Where the data are reported, modelled or sourced externally, please name the third party data provider.</i>	Not applicable
b) Verification of data and guaranteeing the quality of those data. <i>Describe how data are verified and how the quality of those data is ensured.</i>	Not applicable
c) Reference standards <i>Describe the international standards used in the benchmark methodology.</i>	Not applicable

Information updated on:

30th April 2020

EXPLANATION OF HOW ESG FACTORS ARE REFLECTED IN THE KEY ELEMENTS OF THE BENCHMARK METHODOLOGY	
Item 1. Name of the benchmark administrator.	Euronext Paris
Item 2. Type of benchmark	Equity Benchmark
Item 3. Name of the benchmark or family of benchmarks.	CAC-EW
Item 4. Does the benchmark methodology for the benchmark or family of benchmarks take into account ESG factors?	No
Item 5. If the response to Item 4 is positive, please find below the ESG factors that are taken into account in the benchmark methodology and how they are used for selection, weighting and exclusion	
a) List of environmental factors considered:	Not applicable
b) List of social factors considered:	Not applicable
c) List of governance factors considered:	Not applicable
Item 6. Data and standards used.	
a) Data input. <i>(i) Describe whether the data are reported, modelled or, sourced internally or externally.</i> <i>(ii) Where the data are reported, modelled or sourced externally, please name the third party data provider.</i>	Not applicable
b) Verification of data and guaranteeing the quality of those data. <i>Describe how data are verified and how the quality of those data is ensured.</i>	Not applicable
c) Reference standards <i>Describe the international standards used in the benchmark methodology.</i>	Not applicable

Information updated on:

30th April 2020

EXPLANATION OF HOW ESG FACTORS ARE REFLECTED IN THE KEY ELEMENTS OF THE BENCHMARK METHODOLOGY	
Item 1. Name of the benchmark administrator.	Euronext Paris
Item 2. Type of benchmark	Equity Benchmark
Item 3. Name of the benchmark or family of benchmarks.	CAC-EWJPY
Item 4. Does the benchmark methodology for the benchmark or family of benchmarks take into account ESG factors?	No
Item 5. If the response to Item 4 is positive, please find below the ESG factors that are taken into account in the benchmark methodology and how they are used for selection, weighting and exclusion	
a) List of environmental factors considered:	Not applicable
b) List of social factors considered:	Not applicable
c) List of governance factors considered:	Not applicable
Item 6. Data and standards used.	
a) Data input. <i>(i) Describe whether the data are reported, modelled or, sourced internally or externally.</i> <i>(ii) Where the data are reported, modelled or sourced externally, please name the third party data provider.</i>	Not applicable
b) Verification of data and guaranteeing the quality of those data. <i>Describe how data are verified and how the quality of those data is ensured.</i>	Not applicable
c) Reference standards <i>Describe the international standards used in the benchmark methodology.</i>	Not applicable

Information updated on:

30th April 2020