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CHINA SECURITIES INDEX CO., LTD.

CSI300 Index Methodology

July 2019

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1. Preface

CSI300 is composed of 300 stocks with the largest market capitalization and liquidity from the entire universe of listed A share companies in China. Launched on April 8, 2005, the index aims to measure the overall performance of the A shares traded on Shanghai Stock Exchange and Shenzhen Stock Exchange.

2. Index Universe

The index universe of CSI300 includes all the A shares listed at Shanghai Stock Exchange and Shenzhen Stock Exchange satisfying the following conditions:

- Non-ChiNext stocks: The listing time of a stock is more than three months unless the daily average total market value of a stock since its initial listing is ranked top 30 in all the A shares (Non-ChiNext stocks);
- ChiNext stocks: The listing time of a stock is more than 3 years
- Non-ST or *ST stocks, non-suspension stocks from listing.

3. Selection Criteria

CSI300 index constituents are selected as follows and the candidate constituents should have good performance without serious financial problems or violation of laws and regulations and with no large price volatility that shows strong evidence of market manipulation:

- Calculate the A share daily average trading value and A share daily average total market value during the most recent year for stocks in the index universe, or in case of a new issue, the data since the 4th trading day after listing is used for calculation;
- Rank the stocks in the universe by A share daily average trading value of the most recent year in descending order and delete the bottom ranked 50% stocks;
- Rank the rest stocks by A share daily average market value of the most recent year in descending order, those who rank top 300 are selected as index constituents.

4. Index Calculation

CSI300 is calculated by points, which will be rounded up to 3 decimal places.

4.1 Base Day and Base Period

The base day of CSI300 is Dec 31, 2004. The base point is 1000.

4.2 Index Calculation Formula

CSI300 is calculated according to the Paasche weighted composite price index formula. The formula is as follows:

$$\text{Current Index} = \frac{\text{Current Adjusted Market Capitalisation of Constituents}}{\text{Divisor}} * 1000$$

Adjusted Market Capitalization = \sum (Price \times Adjusted No. of Shares).

CSI300 uses category-weighted method to adjust the shares of constituents. Hence, the calculation of the number of the adjusted shares of constituents depends on two factors, namely free float and category-weighted method. The detailed contents of category-weighted method and free float could be found in Rule 4.5 and 4.4, respectively.

When changes occur to constituent list or the share structure, or constituents' market value changes due to non-trading factors, according to the index constituents' maintenance methodology, the "Divisor Adjustment Methodology" is used to adjust the original divisor to keep comparable overtime.

Details see Rule 5 "Index Maintenance".

4.3 Index Real-time Calculation

The real-time calculation of CSI300 is based on the real-time price data released by the trading systems of Shanghai Stock Exchange and Shenzhen Stock Exchange.

The practical operations are as follows. The opening-price index is calculated by the opening price obtained through the daily call auction. In case there is no deal, the opening-price index is then calculated by the reference opening price provided by the quotation system. The index is calculated every 5 seconds till the close of trading. Price of each constituent (X) is defined by the following principles:

If there is no deal on the whole trading day, X equals to the reference opening price. Otherwise, X equals to the latest traded price.

CSI will decide whether to continue to calculate the indices or not in case of abnormal quotations from Shanghai Stock Exchange and Shenzhen Stock Exchange.

4.4 Free Float

To reflect the variation of the real negotiable shares in the market, CSI300 adopts the definition of free float shares (free float) in index calculation, which excludes the restricted shares and the non-negotiable shares due to strategic holdings or other reasons from the total shares of listed

companies. The remaining shares available for trading shall be deemed as free-float shares.

- (1) Long term holdings by founders, families, and senior executives, etc.
- (2) State-owned shares
- (3) Strategic holdings
- (4) Employee share plans

For shares clearly announced as restricted by listed companies and shares that fall into the 4 types of shares as above, if the holding is 5% or greater by a shareholder or shareholders acting in concert, such shares shall be deemed as non-free float shares.

$$\text{Free Float} = \text{Total shares of constituent} - \text{non-free float shares}$$

CSI estimates free float based on various publicly available information.

4.5 Category-Weighted Method

The calculation of CSI300 Index uses category-weighted method in which CSI will grant certain inclusion factor to the total A shares of the share class according to the percentage of free float shares in total A shares of the constituent to ensure the stability of the index.

$$\text{Free Float Ratio} = \text{Free Float} / \text{Total Shares of Constituent}$$

$$\text{Adjusted Shares} = \text{Total Shares of Constituent} \times \text{Inclusion Factor}$$

Inclusion factor of the constituents of CSI300 shall be determined according to the chart below:

[Category-Weighted Chart of the CSI Equity indexes]

Negotiable Market Cap Ratio (%)	≤15	(15, 20]	(20, 30]	(30, 40]	(40, 50]	(50, 60]	(60, 70]	(70, 80]	>80
Inclusion Factor (%)	nearest higher percentage point	20	30	40	50	60	70	80	100

[Example of Category-Weight Method]

Stock	Stock A	Stock B	Stock C
Total A Shares	100,000	8,000	5,000
Non-Free Float	91,000	4,500	900
Free Float			
= Total A Shares – Non-Free Float	9,000	3,500	4,100
Negotiable Market Cap Ratio			
= Free Float / Total A Shares	9.0%	43.8%	82.0%
Inclusion Factor	9%	50%	100%
Inclusion Shares	9000	4000	5000

4.6 Total Return Index and Net Total Return Index

CSI calculates daily closing data of CSI300 total return index and CSI300 net total return index to satisfy investors' needs.

CSI300 total return index and CSI300 net total return index are derived indexes from CSI300 Index. The calculation of total return index and net total return index takes the reinvestment income of constituents before-tax and after-tax cash dividends into consideration, which enables investors to measure index performance from different aspects.

CSI300 total return index and CSI300 net total return index are calculated by Chain algorithm. The formula is:

CSI300 total return index (CSI300 TRI):

$$TRI_t = TRI_{ClosingData_{t-1}} * \frac{AdjustedMarketCap_t}{ClosingAdjustedMarketCap_{t-1} - AdjustedCashDividendbeforeTax_t}$$

T represents any trading day, T-1 represents the last trading day before T day, Adjusted Market Cap = $\sum (Price \times Adjusted \text{ No. of Shares})$, Adjusted Cash Dividend before Tax = $\sum (Cash \text{ Dividend per Share before Tax} \times Adjusted \text{ No. of Shares})$.

CSI300 net total return index (CSI300 NTRI):

$$NTRI_t = NTRI_{ClosingData_{t-1}} * \frac{AdjustedMarketCap_t}{ClosingAdjustedMarketCap_{t-1} - AdjustedNetCashDividend_t}$$

T day represents any trading day, T-1 represents the last trading day before T day, Adjusted Market Cap = $\sum (Price \times Adjusted \text{ No. of Shares})$, Adjusted Net Cash Dividend = $\sum (Net \text{ Cash Dividend (after tax payment) per Share} \times Adjusted \text{ No. of Shares})$, the tax rate used for index calculation is 10%.

The difference between the total return index, the net total return index and the price index is on the treatment of cash dividend. When the constituent company distributes cash dividends, the total return index and net total return index shall not fall naturally.

5. Index Maintenance

In the event of a change in constituent list or a capital change in the index constituents, or constituents' market value fluctuates due to non-trading factors, the divisor is adjusted to prevent the discontinuities in the index. That is, CSI300 adopts the "Divisor Adjustment Methodology" to adjust the old divisor according to index constituents maintenance methodology.

5.1 Formula of Divisor Adjustment Methodology

$$\frac{\text{Adjusted Market Cap before Adjustment}}{\text{Old Divisor}} = \frac{\text{Adjusted Market Cap after Adjustment}}{\text{New Divisor}}$$

Adjusted Market Cap after Adjustment = Adjusted Market Cap before Adjustment + Adjusted Market Cap increased or decreased

The new divisor derived from this formula shall be used for the future index calculation.

5.2 Circumstances for Index Adjustment

5.2.1 Corporate events that may affect the price of constituents

- Ex-Dividend: For CSI300 index, no index shall be adjusted in the event of an ex-dividend (dividend payment), and its natural fall shall not be interfered. CSI300 total return index and CSI net total return index are adjusted based on the reference ex-dividend price before the ex-dividend date.
- Ex-Right: If the bonus issue, rights issues, stock split and stock consolidation occurs, the index shall be adjusted the day before the issuance. Calculation of Adjusted Market Cap is based on new shares and prices.

Adjusted Market Cap after Adjustment = Ex-right Price × Adjusted No. of Shares + Adjusted Market Cap before Adjustment (excluding stocks adjusted for bonus issue, rights issues, stock split and stock consolidation)

5.2.2 Other corporate events that affect the index constituents

- In the event that the aggregated change in the total shares of constituents due to other corporate actions (e.g. secondary offering, debt-to-equity swap and exercise of warrants) reaches or exceeds 5%, the index is subject to temporary adjustment and

shall be adjusted before the capital change in the index constituents.

Adjusted Market Cap after Adjustment = Closing Price × Adjusted Sharers after Changes

- If the accumulated change in the total shares of constituents is less than 5%, the index is subject to regular adjustment and shall be adjusted before the Effective Date of regular adjustment.

5.2.3 Constituents adjustment

- Index shall be adjusted before the Effective Date of regular adjustment or temporary adjustment.

6. Index Regular Adjustment

Based on the principle of stability and dynamic tracking, the constituents of CSI300 shall be reviewed every 6 months. The constituents shall be adjusted according to the result of the regular review.

6.1 Review Time

CSI300 index shall be reviewed during the last ten-days of May and November each year, and the adjustments of constituents shall in principle be implemented on the next trading day the second Friday in June and December each year.

6.2 Data Used for Periodical Review

Usually, the data used for review in May includes trading data and financial data from May 1st of the previous year to April 30th of the review year (In case of an IPO, the data since its fourth trading day after listing are used). The data used for review in November includes trading data and financial data from November 1st of the previous year to October 31st of the review year (In case of an IPO, the data since its fourth trading day after listing are used).

6.3 Number of Constituents Adjustment

Normally, the number of constituents adjusted in each regular adjustment shall not exceed 10%.

6.4 Old Constituents Buffer Zone of Trading Value

If the old constituents of CSI300 rank top 60% by the average daily trading value in the universe, they could enter to the next step of market cap ranking.

6.5 Buffer Zone

CSI300 adopts buffer zone rules to reduce the index adjustment turnover. New candidate stocks

ranked top 240 will be given priority to add into the index and old constituents ranked top 360 will be given priority to remain in the index.

6.6 Reserve List

Reserve list is established at each regular review of CSI300, which is used to implement temporary adjustment during two adjacent periodical reviews. See rule 8.

6.7 Long Suspension Stocks

Generally, for index constituents, in the periodic review of their eligibility:

- Constituents that have been suspended for more than 25 trading days and have not resumed trading as of the deadline of data used for constituents eligibility review, if listed on the candidate deletion list, will be classified as priority deletion stocks in principle.
- CSI should report the name list of constituents that have been suspended close to 25 trading days as of the deadline of data used for constituents eligibility review to the index advisory committee. The committee will discuss and decide whether they should be classified as candidate deletion stocks.
- If the delete stocks are under suspension and the reason for the suspension is significant negative event, then the constituent will be deleted from the indexes at the price of 0.00001 Yuan. In the event that such securities under long suspension resume trading at least one trading day prior to the effective date, then CSI will amend the deletion price to market price and release announcements. Under other conditions, suspended old constituent will be deleted from the indexes at its closing market price before suspension.

For non-constituent stocks, in the periodic review of their eligibility:

- Stocks that are under suspension and without clear expectation about trading resumption on the date of the Index Advisory Committee meeting will not be able to be selected as candidate new additions in principle.
- Stocks that have been suspended for more than 25 trading days during the data period used for constituents review can be included in the index only if they have been resumed trading for 3 months except in special circumstances approved by the Index Advisory Committee.
- For new additions suspended between the announcement date and the effective date of the periodical review, CSI will decide whether to adjust the addition or not.

6.8 Stocks Experiencing Financial Losses

In principal, stocks that suffered losses in financial report are not eligible to be selected as candidate new additions in constituents' periodical review unless the stocks have a great impact on the representativeness of index.

7. Index Temporary Adjustment

In case of exceptional corporate events, CSI shall make necessary ongoing adjustments CSI300 to maintain the representativeness of the index and ensure that they are investable.

7.1 IPO

If the total A share market cap of an IPO (which equals to issue price multiplied by the number of total A shares) ranks top 10 (compared with all the A shares by average daily A share market cap of the past year since the listing announcement of the IPO) in the overall market and it satisfies the requirements of index universe, then the fast entry rules shall be applied here. Namely, it shall be added into the index after the close of the tenth trading day. Meanwhile, the lowest old constituent ranked by daily average market cap of the most recent year will be deleted from the index.

If an IPO meets the criteria of fast entry, however, time span between its listing time and the effective day of the next constituents periodical review is less than 20 trading days, the fast entry rules shall not be applied immediately but be implemented together with the next regular adjustment.

7.2 Merger and Acquisition

- **Two constituent companies merge:** The stock of the resulting new company shall retain constituent eligibility and remain in the index. The vacancy shall be filled by the

stock which has the highest ranking in the reserve list.

- **One constituent company merges with one non-constituent company:** The stock of the resulting new company shall retain constituent eligibility and remain in the index.
- **One non-constituent company purchases or takes over one constituent company:** If the stock of the resulting new company ranks higher than the highest stock in the reserve list, the new stock shall be added to the index. Otherwise, the stock which has the highest ranking in the reserve list will be added to the index.
- **Merger, spin-off, acquisition and restructuring of non-constituents:** If the total market cap of the stock of the resulting new company ranks top 10 in the overall market due to the above corporate events, fast entry rules shall be applied here. Otherwise, these corporate events shall be considered together in the index regular adjustment.

7.3 Spin-off

If one constituent company is spun off to form two or more companies, then whether the resulting companies is eligible for inclusion or not depends on their rankings.

- If two or more of the resulting companies rank higher than the lowest constituent, then the resulting companies that rank higher than the lowest constituent will be added to the index and the lowest constituent(s) will be removed to keep the number of constituents in the index being constant.
- If one or more of the resulting companies ranks higher than the lowest constituent, then the (these) new resulting company will be added to the index. If more than one companies enter the index, the lowest constituents will be removed to keep the number of the constituents in the index being constant.
- If all the resulting companies rank lower than the lowest constituent, but some or all the resulting companies rank higher than the highest stock in the reserve list, then the highest new company will be added to the index to replace the spun-off company.
- If all the resulting companies rank lower than the lowest constituent and the highest stock in the reserve list, then the highest company in the reserve list will be added to the index.

7.4 Suspension

If a constituent is suspended from trading, CSI shall determine whether to remove it from the index based on its suspension reasons.

7.5 Suspension from listing or Delisting

If a constituent company is suspended from listing or is delisted from the A share market, it shall be removed from the index and the vacancy shall be replaced by the company with highest ranking in the reserve list.

7.6 Bankruptcy

If a constituent company files for bankruptcy or receives a bankruptcy order, it shall be removed from the index constituents as soon as practicable and the stock with the highest ranking in the reserve list will be added to the index.

8. Constituents Reserve List

For the sake of index consistency and transparency, CSI300 adopts a reserve list policy which is used to implement temporary adjustment between two adjacent periodical reviews.

- Reserve list is created in regular adjustment each time. Usually, the number of stocks in the list accounts for 5% of the number of constituents. Hence, there are 15 stocks in CSI300 reserve list.
- If temporary adjustment is needed due to constituents delisting, merger, etc., the stocks on the reserve list will be added to the index by rankings in turn.
- If the number of stocks in the list is less than 50% of the original number, CSI will complement the list according to the reserve list policy and publicize the new reserve list timely.

9. Maintenance of Constituents

To ensure that CSI300 index reflects trading information of related stocks, CSI maintains constituents shares of CSI300 based on the following rules:

- CSI maintains shares of constituents based on announcements of listed companies.
- Temporary Adjustment or Regular adjustment shall be made according to the types of corporate events. The rules are as follows:

If the bonus issue, rights issue, stock split and stock consolidation result in a change in the constituents' prices or shares, the adjustment will be implemented on the ex-right day.

Temporary or regular adjustment shall be carried out in occurrence of other corporation events such as secondary offering, debt-to-equity swap and exercise of warrants, etc. the

temporary adjustment shall be made when the accumulated change of the total shares of the constituent exceeds or reaches 5%. Otherwise, the regular adjustment shall be made.

- Usually, the Effective Date of temporary adjustment is consistent with the indicated date in the announcement made by the accumulated change of the total share capital exceeds or reaches 5%. If the announcement date of listed companies is later than the effective date, then the effective date of shares adjustment shall be the next trading day of the announcement. Where the threshold is triggered, CSI will provide notice in the CA files for user's reference after the market close of the day.

10. Index Methodology Amendments

CSI will realize the situation when it is necessary to amend the index methodology by analyzing the market environment, taking advices from the index Advisory Committee and taking feedbacks from the market and external complains. Furthermore, the revision of the index methodology will be implemented according to the Measures for the Implementation of Change of Index Methodologies of China Securities Index Company Limited.

11. Information Disclosure

To keep the objectiveness, independence and authority of the index, CSI has established strict information disclosure policy, such that the index could be more transparent, public and fair.

- Any personnel of CSI and the Committee members are forbidden to publicize any information before the information is disclosed. Private interviews to media are forbidden either.
- Media used for information disclosure include, but not limited to, China Securities Journal, Shanghai Securities News and Securities Times, website of Shanghai Stock Exchange and Shenzhen Stock Exchange and website of CSI.
- In general, the result of constituents' periodical review is publicized two weeks ahead. Constituents ongoing adjustment plan is publicized in advance as soon as practicable. Adjustments of important rules such as index creation and index maintenance are usually publicized three months ahead.

12. Index Dissemination

12.1 Index Code

Shanghai Stock Exchange's broadcast system: 000300

Shenzhen Stock Exchange's broadcast system: 399300

12.2 Dissemination Channels

CSI300 index is published through the following official channels:

- (1) Disseminate real time quote via INDEXPRESS and the Data Dissemination System (DDS);
- (2) Daily dissemination via CSI data service platform;
- (3) Daily dissemination on CSI's website: www.csindex.com.cn

In case of a doubt as to the index, the information published through CSI official channels shall prevail.

12.3 Dissemination Frequencies

CSI300 is calculated and published in real time. And the index is updated every 5 seconds.