



# **SSE Indices Calculation and Maintenance Methodology**



**December, 2016**

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## **1. Constituents Periodical Review**

Constituents of SSE indices are reviewed every 6 months. Constituents are adjusted according to the periodical review.

### **1.1 Review Time**

Meetings of SSE Index Advisory Committee are usually held in the end of May and November every year and constituents adjustment are implemented on the next trading day after the close of the second Friday in June and December each year.

### **1.2 Data Used for Periodical Review**

Usually, 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, data since its fourth trading day after listing are used). 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, data since its fourth trading day after listing are used).

### **1.3 Number of Constituents Adjustment**

Number of constituents adjusted at each periodical review will not exceed A certain proportion for some SSE indices.

### **1.4 Buffer Zone**

Some SSE indices adopts buffer zone rules for the sake of minimum turnover. For SSE 50, New candidate stocks ranked top 40 will be given priority to add into the index and old constituents ranked top 60 will be given priority to remain in the index.

### **1.5 Reserve List**

For the sake of index consistency and transparency, some SSE indices adopts a reserve list policy which is used to implement temporary adjustment between two adjacent periodical reviews. Reserve list is created at each constituents periodical review. Usually, number of stocks in the list is 5% of the number of constituents. If temporary adjustment is needed due to constituents delisting, merger, etc, 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, SSE will complement the list according to the reserve list policy and publicize the new reserve list timely.

## 1.6 Long Suspension Stocks

When reviewing constituents eligibility periodically ----for constituents stocks

- Constituents that have been suspended for 3 months and have not resumed trading as of the deadline of data used for constituents eligibility review will be classified as candidate deletion stocks.
- SSE should report the name list of constituents that have been suspended close to 3 months 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.
- Constituents that had been suspended for 3 months during the data period used for constituents review and have been resumed trading will remain in the index in principle if they meet constituents requirement..

When reviewing constituents eligibility periodically ----for non-constituent stocks:

- Stocks that have been suspended for 3 months and have not resumed trading as of the deadline of data used for constituents eligibility review will not be able to be selected as candidate new additions.
- SSE should report the name list of stocks that have been suspended close to 3 months and have not resumed trading yet as of the deadline of data used for constituents eligibility review to the index advisory committee.
- Stocks that have been suspended for 3 months during the data period used for constituents review can be included in the index only if they have been resumed trading for 3 months.

## 1.7 Stocks Experiencing Financial Losses

Stocks that suffered losses in financial report are not included in the index in principle at constituents periodical review unless the stocks exert great impact on the representativeness of index.

## 2. Temporary Adjustment of Constituents

Necessary ongoing adjustments are made by SSE to SSE indices when some corporate events happened so as to maintain the representativeness and investability of index.

### 2.1 IPO

If the total A share market cap of an IPO (which equals to issue price multiply 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 shanghai market and it satisfies the requirements of index universe, then fast entry rules are applied for SSE 180、 SSE 50 and so on. Namely, it will be

added in the index after the close of the tenth trading day. Meanwhile, the last ranked old constituent 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, fast entry rules are not applied immediately but will be implemented together with the next constituents periodical review.

## 2.2 Merger and Acquisition

- Two constituent companies merge: The stock of the resulting new company will be added to the index and there will be a vacancy. The vacancy will be filled by the highest ranking stock in the reserve list.
- One constituent company and one non-constituent company merge: The stock of the resulting new company will be added to 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 will be added to the index. Otherwise, the highest ranking stock 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, fast entry rules are applied here. Otherwise, these corporate events are considered at constituents periodical review.

## 2.3 Spin-off

If one constituent company is split so as 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 the index constituents 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 1 companies enter the index, the lowest constituents will be removed to keep the number of the index constituents constant.
- If all of the resulting companies rank lower than the lowest constituent, but some or all of the resulting companies rank higher than the highest stock in the reserve list, then the highest new company will replace the split company to be added to the index.
- If all of 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.

## 2.4 Suspension

If a constituent is suspended from trading, SSE will determine whether to delete it from the index or not according to different suspension reasons.

## 2.5 Suspension from listing and Delisting

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

## 2.6 Bankruptcy

If a constituent company enters bankruptcy proceedings, it will be

removed as soon as practicable and the highest ranking stock in the reserve list will be added to the index.

### **3. Index Calculation**

#### **3.1 Index Real-time Calculation**

The real time calculation of SSE Indices is based on the price data issued by the trading systems of the two exchanges.

(1) The opening index is calculated by the opening price obtained through the daily aggregate auction. In case there is no deal, the opening index is then calculated by the reference opening price provided by the quotation system.

(2) The index is calculated each second till the close of trading.

Price of each constituent(X) is defined on the following principle:

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

SSE will decide whether or not to calculate the indices in case of abnormal quotations from the two exchanges.

#### **3.2 Free Float**

To reflect the price fluctuation of the real negotiable shares in the market, SSE indices adopts free float shares (free float) to calculate index exclusive of non-negotiated shares such as strategic holdings, government holdings, etc.

- (1) Long term holdings by founders, families, & senior executives, etc
- (2) Government holdings
- (3) Strategic holdings
- (4) Employee share plans

If the holdings of shareholders of the four categories and their persons acting



in concert is larger than 5%, the holdings will be defined as non-free float. Together with the restricted-shares announced by listed companies, they are all deemed as non-free float shares.

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

SSE estimates free float via various available published information (See Appendix A).

### 3.3 Category-Weighted Method

SSE indices uses category-weighted method to adjust constituents' sharers. Namely, SSE will grant certain inclusion factor to the total A shares according to the percentage of free float shares in total A shares to insure index stability.

$$\text{Negotiable Market Cap Ratio} = \text{Free Float} / \text{Total A Shares}$$

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

Inclusion factor of SSE indices is indicated by the following chart:

#### [Category-Weighted Chart of SSE indices]

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	9.0%	43.8%	82.0%

= Free Float / Total A Shares

Inclusion Factor	9.0%	50%	100%
Inclusion Shares	9000	4000	5000

### 3.4 Total Return Index and Net Total Return Index

SSE calculates daily closing data of SSE total return indices and SSE net total return indices to satisfy investors needs. The calculation of total return index and net total return index takes the reinvestment income of constituents cash dividends into consideration, which enables investors to measure index performance from a different angle.

Total return index and net total return index is calculated using Chain algorithm.

The formula is:

Total return index (TRI):

$$TRI_t = TRI \text{ closing data}_{t-1} \times \frac{\text{Adjusted Market Cap}_t}{\text{Closing Adjusted Market Cap}_{t-1} - \text{Adjusted Cash Dividend before Tax}_t}$$

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

Net total return index (NTRI):

$$NTRI_t = NTRI \text{ closing data}_{t-1} \times \frac{\text{Adjusted Market Cap}_t}{\text{Closing Adjusted Market Cap}_{t-1} - \text{Adjusted Net Cash Dividend}_t}$$

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

The difference between the total return index, net total return index and the

price index is on the treatment of cash dividend.

### 3.5 Multi Currency Index

Multi currency indices for some SSE indices will be calculated to satisfy investors' needs. In the calculation of multi currency index

Adjusted Market Cap=  $\sum(\text{Price} \times \text{Adjusted No. of Shares} \times \text{Foreign Exchange Rate})$ .

Here Foreign Exchange Rate from Thomson Reuters (mid-price of quote) will be used, unless otherwise specified. The real time Foreign Exchange Rate from Thomson Reuters will be used to calculate the real time index, the Foreign Exchange Rate from Thomson Reuters at index closing time will be used to calculating the closing index.

RMB exchange rate in index calculation will normally use on shore exchange rate (CNY). If other exchange rate of RMB is used in index calculation, such as CNH, the index name will be marked accordingly.

## 4. Index Maintenance

When changes occur to constituent list or the share structure, or constituents' market value changes due to non-trading factors, the divisor is adjusted to keep the index comparable overtime, that is, SSE indices adopts the “Divisor Adjustment Methodology” to adjust the old divisor.

### 4.1 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 is used for later index calculation.

### 4.2 Circumstances for Index Maintenance

#### 4.2.1 Corporate actions that may affect the price of constituents

- Dividend: For SSE indices, no index adjustment is required for dividend payment and the index is allowed to fallback naturally.
- Right issue and bonus issue: The index is adjusted the day before the issuance. Adjusted Market Cap after the Adjustment = Ex-right Price × Adjusted No. of Shares + Adjusted Market Cap before the Adjustment (excluding stocks adjusted for right issue and bonus issue)

#### 4.2.2 Share changes caused by corporate actions

- Share changes: when shares of constituents change due to corporate actions (e.g. re-issuance, listing of right issue), the index is

adjusted the day before the changes. Adjusted Market Cap after the Adjustment = closing price × Adjusted sharers after changes

#### **4.2.3 Share changes caused by shareholders' behavior**

- Share changes caused by shareholders' behavior are adjusted semi-annually. The effective date is the first trading day of Jan and July each year and the index is adjusted before the effective day.

#### **4.2.4 Constituents adjustment**

- Index is adjusted before the effective day of periodical review or temporary adjustment.

## **5. Maintenance of Constituents Shares**

To ensure that SSE indices can reflect trading information of related stocks, CSI maintains constituents shares based on the following rules:

- CSI maintains constituents shares based on announcements of listed companies.
- Temporary Adjustment or Regular Review according to the types of corporate events.

If the bonus issue, rights issues, stock split and stock consolidation lead to constituents shares change, the adjustment will be implemented on the ex-right day.

For other corporation events, such as second offering and exercise of warrants, if the accumulated change of constituents shares is more than 5%, the adjustment will be implemented immediately. If the accumulated change of constituents shares is less than 5%, the adjustment will be implemented in the next regular review.

- Usually, the effective date of shares adjustment is consistent with that

of indicated in the announcement of listed companies which make the shares change larger than 5%. If the announcement date of listed companies is later than the effective date, then the effective date of shares adjustment is the trading day after the announcement date. CSI would provide notice in the CA files after the market close of the day when we find out 5% threshold is breached.

- CSI tracks the changes of free float shares timely and adjusts free float changes resulted from shareholder's behavior semi-annually. The adjustment will be effective on the next trading day after the close of the second Friday in June and December.

## **6. Index Dissemination**

### **6.1 Dissemination Channels**

SSE indices are released to domestic and foreign public through various means:

- Broadcasted nationwide via Shanghai Stock Exchange and Shenzhen Stock Exchange's real time broadcast system;
- Released real time globally via Thomson Reuters and Bloomberg financial information vendors;
- Publicized daily via various news media including Shanghai Securities News, China Securities Journal and Securities Times;
- Published daily through the Internet at SSE's website: <http://www.SSEndex.com.cn/>, Shanghai Stock Exchange's website: <http://www.sse.com.cn/> and Shenzhen Stock Exchange's website: <http://www.szse.cn/>.

### **6.2 Dissemination Frequencies**

SSE indices are calculated and disseminated real time. Specifically, SSE indices are calculated each second and quotes are updated every 3 seconds.

## Appendix A: Free Float

A portion of shares outstanding by listed companies are hardly negotiable in certain period due to shareholders strategic holding, etc. Calculated with such kind of shares, index is not capable of reflecting real investment opportunities. Hence, SSE adopts free float weighted method to calculate index.

### 1. Scope of Free Float

SSE defines A share free float as shares outstanding and tradable shares in the open stock market. According to SSE's definition, free float is total A shares minus the restricted trading shares and the following non-negotiated shares:

- Long term holdings by founders, families and senior executives: Shares held by founders or founder families as well as shares held by members of the directorates and senior managers etc.
- Government holdings: Shares held by the government or its subsidiaries.
- Strategic holdings: Shares held by strategic investors for long-term strategic interests.
- Employee share plans: Shares held by employee share plans.

### 2. Identification of Free Float

- (1) Restricted shares during the lock-in period are deemed as non-free float.
- (2) For non-restricted shares, if they belong to the four categories and the holdings of shareholders or persons acting in concert is larger than 5%, they will be defined as non-free float, and those smaller than 5% will be defined as free float.
- (3) Restricted shares after the lock-in period are treated the same way as

non-restricted shares.

### **3. Information Source**

What SSE uses to identify and calculate free float is all public information that are required to be disclosed by existing laws and regulations, which include:

- Prospectus and listing notice: Information of founders, strategic investors, frozen shares, employee holdings, senior executives holdings, etc are available.
- Periodic report: Information of founders, strategic investors, frozen shares, employee holdings, senior executives holdings and top ten shareholders, etc are available.
- Temporary reports: Shares change notice, acquisition notice, equity impawning notice, etc are available.

### **4. Adjustment of Free Float**

SSE tracks the changes of free float shares timely and adjusts free float changes resulted from shareholder's behavior semi-annually. The adjustment will be effective on the 1<sup>st</sup> trading day of Jan and Jul.



## Appendix B: Definition

1. A shares –Securities of Chinese incorporated companies that trade on the Shanghai or Shenzhen stock exchanges, quoted in Chinese Renminbi (RMB).
- 2 .B shares–Securities of Chinese incorporated companies that trade on the Shanghai Stock Exchange (quoted in US Dollars) or the Shenzhen Stock Exchange (quoted in Hong Kong Dollars – HKD).
3. H shares –Securities of companies incorporated in the PRC that list and trade on the Hong Kong Stock Exchange, quoted and traded in HKD.
4. ST stocks –ST stocks refer to stocks that are special treated by regulators for financial losses of continuous 2 years, etc. For example, the daily share price fluctuation of the ST stock should within 5%, etc.
5. \*ST stocks –Stocks that are special treated to inform the potential delisting risks.
6. Adjusted price of ex-dividend and ex-right–The reference price issued by the exchanges on the ex-right (dividend) day which is used to remind investors that the internal value of the stocks have been diluted due to dividend or rights offering.

a) Dividend

Ex-dividend price=Closing price before ex-dividend day – Dividend per share

b) Bonus issue

Ex-right price =  $\frac{\text{Closing price before ex-bonus day}}{1 + \text{Bonus issue ratio}}$

c) Rights issue

Ex-right price =  $\frac{\text{Closing price before ex-right day} + \text{Right issue price} \times \text{right issue ratio}}{1 + \text{Right issue ratio}}$

## Appendix C: Examples for Index Calculation

3 stocks are selected as constituent stocks. The base period is the adjusted total market cap of 3 stocks on base day. The base index is 1000 points.

3 stocks are selected as constituent stocks. The base period is the adjusted total market cap of 3 stocks on base day. The base index is 1000 points.

✓ **No adjustment is required. Index is calculated as usual.**

### Base Day

Stock	Total Shares	Negotiable Shares	Negotiable Shares Ratio	Inclusion Factor	Adjusted Shares	Closing Price (Yuan)	Adjusted Market Cap (Yuan)
A	100,000	9,000	9%	9%	9,000	5	45,000
B	8,000	3,500	44%	50%	4,000	9	36,000
C	5,000	4,100	82%	100%	5,000	20	100,000
						Total Adjusted Market Cap	181,000

### Index Calculation

Total Adjusted Market Cap (Yuan)	Divisor	Base Index	Closing Index
(1)	(2)	(3)	(3) * (1) / (2)
181,000	181,000	1000	<b>1000</b>

### Day 1

Stock	Total Shares	Negotiable Shares	Negotiable Shares Ratio	Inclusion Factor	Adjusted Shares	Closing Price (Yuan)	Adjusted Market Cap (Yuan)
A	100,000	9,000	9%	9%	9,000	5.1	45,900
B	8,000	3,500	44%	50%	4,000	9.05	36,200
C	5,000	4,100	82%	100%	5,000	19	95,000
						Total Adjusted Market Cap	177,100

#### Index Calculation

Total Adjusted Market Cap (Yuan)	Divisor	Base Index	Closing Index
(1)	(2)	(3)	(3) * (1) / (2)
177,100	181,000	1000	<b>978.45</b>

✓ **No index adjustment is required for dividend payment.**

Stock B distributes cash dividend: ¥0.50/share. Today is ex-dividend day. No adjustment is required.

#### Day 2

Stock	Total Shares	Negotiable Shares	Negotiable Shares Ratio	Inclusion Factor	Adjusted Shares	Closing Price (Yuan)	Adjusted Market Cap (Yuan)
A	100,000	9,000	9%	9%	9,000	5.05	45,450
B	8,000	3,500	44%	50%	4,000	9.1	36,400

C	5,000	4,100	82%	100%	5,000	19.2	96,000
						Total Adjusted Market Cap	177,850

#### Index Calculation

Total Adjusted Market Cap (Yuan)	Divisor	Base Index	Closing Index
(1)	(2)	(3)	(3) * (1) / (2)
177,850	181,000	1000	<b>982.60</b>

#### ✓ Bonus issue, rights issue

Stock B is to be traded ex-bonus for all shareholders at the ratio of 10 for 10 and the next day is ex-right day. Stock C is to be traded ex-right for all shareholders at the ratio of 3 for 10 at ¥18/share and it is to be suspended from trading the next day.

Ex-right price for stock B is  $9.1/(1+1)=¥4.55$ . Index adjustment is required.

#### Index Adjustment

Stock	Total Shares	Negotiable Shares	Negotiable Shares Ratio	Inclusion Factor	Adjusted Shares	Ex-right Price (Yuan)	Adjusted Market Cap (Yuan)
A	100,000	9,000	9%	9%	9,000	5.05	45,450
B	16,000	7,000	44%	50%	8,000	4.55	36,400
C	5,000	4,100	82%	100%	5,000	19.2	96,000
						Total Adjusted Market Cap	177,850

Total Adjusted Market Cap before Adjustment (Yuan)	Total Adjusted Market Cap after Adjustment (Yuan)	Old Divisor	New Divisor
(1)	(2)	(3)	(3) * (2) / (1)
177,850	177,850	181,000	181,000

### Day 3

Stock	Total Shares	Negotiable Shares	Negotiable Shares Ratio	Inclusion Factor	Adjusted Shares	Closing Price (Yuan)	Adjusted Market Cap (Yuan)
A	100,000	9,000	9%	9%	9,000	4.9	44,100
B	16,000	7,000	44%	50%	8,000	4.5	36,000
C	5,000	4,100	82%	100%	5,000	19.2	96,000
						Total Adjusted Market Cap	176,100

### Index Calculation

Total Adjusted Market Cap (Yuan)	Divisor	Base Index	Closing Index
(1)	(2)	(3)	(3) * (1) / (2)
176,100	181,000	1000	<b>972.93</b>

### ✓ Share changes

Free float shares of stock A increases the next day. Stock B is going to be suspended from trading the next day.

## Index Adjustment

Stock	Total Shares	Negotiable Shares	Negotiable Shares Ratio	Inclusion Factor	Adjusted Shares	Ex-right Price (Yuan)	Adjusted Market Cap (Yuan)
A	100,000	13,000	13%	20%	20,000	4.9	98,000
B	16,000	7,000	44%	50%	8,000	4.5	36,000
C	5,000	4,100	82%	100%	5,000	19.2	96,000
						Total Adjusted	230,000
						Market Cap	

Total Adjusted Market Cap before Adjustment (Yuan)	Total Adjusted Market Cap after Adjustment (Yuan)	Old Divisor	New Divisor
(1)	(2)	(3)	(3) * (2) / (1)
176,100	230,000	181,000	236,400

## Day 4

Stock	Total Shares	Negotiable Shares	Negotiable Shares Ratio	Inclusion Factor	Adjusted Shares	Closing Price (Yuan)	Adjusted Market Cap (Yuan)
A	100,000	13,000	13%	20%	20,000	4.8	96,000
B	16,000	7,000	44%	50%	8,000	4.5	36,000
C	5,000	4,100	82%	100%	5,000	19.2	96,000
						Total	228,000

Adjusted  
Market Cap

### Index Calculation

Total Adjusted Market Cap (Yuan)	Divisor	Base Index	Closing Index
(1)	(2)	(3)	(3) * (1) / (2)
228,000	236,400	1000	<b>964.47</b>

### ✓ Secondary offering

Stock A is going to issue 8000 shares the next day. Stock B is to resume trading the next day. The rights offering of Stock C succeeds. Stock C is to resume trading the next day which is also the ex-right date of stock C. Ex-right price for stock C is  $(19.2 + 18 \times 0.3) / (1 + 0.3) = \text{¥}18.923$ .

### Index Adjustment

Stock	Total Shares	Negotiable Shares	Negotiable Shares Ratio	Inclusion Factor	Adjusted Shares	Ex-right Price (Yuan)	Adjusted Market Cap (Yuan)
A	108,000	21,000	19%	20%	21,600	4.8	103,680
B	16,000	7,000	44%	50%	8,000	4.5	36,000
C	6,500	5,330	82%	100%	6,500	18.923	123,000
						Total Adjusted Market Cap	262,680

Total Adjusted Market	Total Adjusted Market	Old	New Divisor
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Cap before Adjustment (Yuan)	Cap after Adjustment (Yuan)	Divisor	
(1)	(2)	(3)	(3) * (2) / (1)
228,000	262,680	236,400	272,358

### Day 5

Stock	Total Shares	Negotiable Shares	Negotiable Shares Ratio	Inclusion Factor	Adjusted Shares	Closing Price (Yuan)	Adjusted Market Cap (Yuan)
A	108,000	21,000	19%	20%	21,600	4.85	104,760
B	16,000	7,000	44%	50%	8,000	4.6	36,800
C	6,500	5,330	82%	100%	6,500	19.1	124,150
						Total Adjusted Market Cap	265,710

### Index Calculation

Total Adjusted Market Cap (Yuan)	Divisor	Base Index	Closing Index
(1)	(2)	(3)	(3) * (1) / (2)
265,710	272,358	1000	<b>975.59</b>

### Day 6

Stock	Total Shares	Negotiable Shares	Negotiable Shares Ratio	Inclusion Factor	Adjusted Shares	Closing Price	Adjusted Market
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						(Yuan)	Cap
							(Yuan)
A	108,000	21,000	19%	20%	21,600	4.8	103,680
B	16,000	7,000	44%	50%	8,000	4.65	37,200
C	6,500	5,330	82%	100%	6,500	19.5	126,750
						Total Adjusted	267,630
						Market Cap	

### Index Calculation

Total Adjusted Market Cap (Yuan)	Divisor	Base Index	Closing Index
(1)	(2)	(3)	(3) * (1) / (2)
267,630	272,358	1000	<b>982.64</b>

Stock C announces share changes and listing of right offerings: The total shares increases to 6230 and negotiable shares to 5300. The next day is the listing date of the right offerings.

### Index Adjustment

Stock	Total Shares	Negotiable Shares	Negotiable Shares Ratio	Inclusion Factor	Adjusted Shares	Ex-right Price (Yuan)	Adjusted Market Cap (Yuan)
A	108,000	21,000	19%	20%	21,600	4.8	103,680
B	16,000	7,000	44%	50%	8,000	4.65	37,200
C	6,230	5,300	85%	100%	6,230	19.5	121,485
						Total	262,365

Adjusted

Market Cap

Total Adjusted Market Cap before Adjustment (Yuan)	Total Adjusted Market Cap after Adjustment (Yuan)	Old Divisor	New Divisor
(1)	(2)	(3)	(3) * (2) / (1)
267,630	262,365	272,358	267,000

**Day 7**

Stock	Total Shares	Negotiable Shares	Negotiable Shares Ratio	Inclusion Factor	Adjusted Shares	Closing Price (Yuan)	Adjusted Market Cap (Yuan)
A	108,000	21,000	19%	20%	21,600	4.9	105,840
B	16,000	7,000	44%	50%	8,000	4.6	36,800
C	6,230	5,300	85%	100%	6,230	19.6	122,108
						Total Adjusted	264,748
							Market Cap

## Index Calculation

Total Adjusted Market Cap (Yuan)	Divisor	Base Index	Closing Index
(1)	(2)	(3)	(3) * (1) / (2)
264,748	267,000	1000	<b>991.57</b>

### ✓ Constituents adjustment

Stock B is acquired by stock C .Stock B is to be delisted the next day. Stock D is the highest ranking stock on the reserve list.

#### Index Adjustment

Stock	Total Shares	Negotiable Shares	Negotiable Shares Ratio	Inclusion Factor	Adjusted Shares	Ex-right Price (Yuan)	Adjusted Market Cap (Yuan)
A	108,000	21,000	19%	20%	21,600	4.9	105,840
C	6,230	5,300	85%	100%	6,230	19.6	122,108
D	8,000	6,000	75%	80%	6,400	9.1	58,240
						Total Adjusted	286,188
						Market Cap	

Total Adjusted Market Cap before Adjustment (Yuan)	Total Adjusted Market Cap after Adjustment (Yuan)	Old Divisor	New Divisor
(1)	(2)	(3)	(3) * (2) / (1)
264,748	286,188	267,000	<b>288,622</b>

#### Day 8

Stock	Total Shares	Negotiable Shares	Negotiable Shares Ratio	Inclusion Factor	Adjusted Shares	Closing Price (Yuan)	Adjusted Market Cap (Yuan)
A	108,000	21,000	19%	20%	21,600	5.1	110,160

	0						
C	6,230	5,300	85%	100%	6,230	20	124,600
D	8,000	6,000	75%	80%	6,400	9.5	60,800
						Total Adjusted	295,560
						Market Cap	

### Index Calculation

Total Adjusted Market Cap (Yuan)	Divisor	Base Index	Closing Index
(1)	(2)	(3)	(3) * (1) / (2)
295,560	288,622	1000	<b>1024.04</b>

### ✓ Dividend Payment and Bonus Issue

Stock C distributes cash dividend ¥1/share, and is to be traded ex-bonus for all shareholders at the ratio of 10 for 10. The next day is ex-right day.

### Index Adjustment

Stock	Total Shares	Negotiable Shares	Negotiable Shares Ratio	Inclusion Factor	Adjusted Shares	Ex-right Price (Yuan)	Adjusted Market Cap (Yuan)
A	108,000	21,000	19%	20%	21,600	5.1	110,160
C	12,460	10,600	85%	100%	12,460	10	124,600
D	8,000	6,000	75%	80%	6,400	9.5	60,800
						Total Adjusted	295,560
						Market Cap	

Total Adjusted Market Cap before Adjustment (Yuan)	Total Adjusted Market Cap after Adjustment (Yuan)	Old Divisor	New Divisor
(1)	(2)	(3)	(3) * (2) / (1)
295,560	295,560	288,62	288,622

### Day 9

Stock	Total Shares	Negotiable Shares	Negotiable Shares Ratio	Inclusion Factor	Adjusted Shares	Closing Price (Yuan)	Adjusted Market Cap (Yuan)
A	108,000	21,000	19%	20%	21,600	5	108,000
C	12,460	10,600	85%	100%	12,460	9	112,140
D	8,000	6,000	75%	80%	6,400	10.5	67,200
						<b>Total Adjusted</b>	<b>287,340</b>

### Index Calculation

Total Adjusted Market Cap (Yuan)	Divisor	Base Index	Closing Index
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(1)	(2)	(3)	(3) * (1) / (2)
287,340	288,622	1000	995.56

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## Contact Us

For further details on CSI indices and ground rules, please contact China Securities Index Company.

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