# **HOSE-Index Series**

HOSE-Index is a market-capitalization weighted investable index series comprised of companies listed on the Hochiminh Stock Exchange (HOSE). The constituents are screened for eligibility, free-float and liquidity. HOSE-Index Series covers over 90% total traded value and 80% HOSE's market capitalization.

#### **HOSE-Index Structure**

VNAllshare is a market-capitalization weighted index comprises all HOSE-listed companies that passed screening for eligibility, freefloat and liquidity.

VN30 is a market-capitalization weighted index which measures the performance of 30 large market-capitalization and high liquidity stocks from VNAllshare.

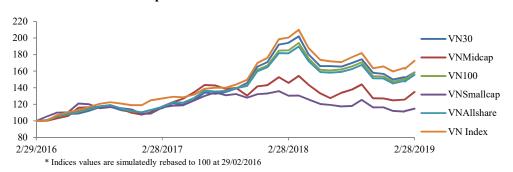
VNMidcap is a market-capitalization weighted index which measures the performance of 70 medium market-capitalization companies from VNAllshare.

VN100 is a market-capitalization weighted index combining constituents from both VN30 and VNMidcap.

VNSmallcap is a market-capitalization weighted index and designed to measure the performance of small market-capitalization companies from VNAllshare.

VNAllshare Sector Indices is a series of sector index comprised of constituents from VNAllshare classified according to the Global Industry Classification Standard (GICS®).

#### **Indices performance from 29/02/2016 to 28/02/2019**



#### **Features**

#### Objective

The indices are designed for use in the creation of index track funds. derivatives and as a performance benchmark

#### Investability

Stocks are selected and calculated by free-float ensure investable.

#### Liquidity

Stocks are screened to ensure index is tradable.

#### Transparency

The indices use a transparent, rulesbased construction process. Index Rules are freely available on the HOSE website.

#### Availability

The indices are calculated in realtime or end of day.

### **Review Dates**

Semi-annually in January and July.

#### Capping Limit

1 vear

3 years

10%(Not applied for VNAllshare Sector)

#### Index Methodology

Free-floatadjusted marketcapitalization weighted index

Industry Classification Benchmark

Index constituents are classified in accordance with the Global Industry Classification Standard (GICS®).

#### **Indices Performance**

		Performance (%)								Annualized Performance (%)	
	2016	2017	2018	1 month	3 months	6 months	1 year	3 years	5 years	3 years	5 years
VNAllShare	7.46%	48.27%	-12.02%	5.56%	2.96%	-4.23%	-14.26%	55.64%	47.17%	15.89%	8.03%
VN30	5.48%	53.89%	-12.36%	4.49%	1.14%	-6.63%	-18.34%	58.58%	36.33%	16.61%	6.39%
VNMidcap	8.24%	32.38%	-12.78%	7.27%	6.26%	-2.10%	-7.50%	34.95%	64.20%	10.51%	10.43%
VN100	7.00%	50.21%	-11.68%	5.64%	3.04%	-4.60%	-14.55%	58.19%	48.19%	16.52%	8.18%
VNSmallcap	8.94%	22.54%	-15.81%	2.62%	-1.54%	-2.91%	-12.12%	14.63%	24.21%	4.66%	4.43%
VN Index	14.82%	46.46%	-9.32%	6.02%	4.20%	-2.43%	-13.92%	72.60%	64.62%	19.95%	10.48%

### **Indices Volatility Correlation of Indices with VN Index** 3 months 6 months 1 vear 3 years 5 years 3 months 6 months

VNAllShare	6.91%	11.23%	19.41%	26.05%	34.45%	VNAllShare	97.75%	97.55%	96.94%	95.67%	94.76%
VN30	7.46%	12.04%	21.26%	28.73%	37.62%	VN30	96.03%	96.61%	96.87%	95.55%	94.72%
VNMidcap	6.51%	10.98%	19.13%	25.75%	34.05%						
VN100	7.09%	11.55%	20.08%	26.85%	35.29%	VNMidcap	71.55%	83.86%	83.03%	77.90%	79.79%
VNSmallcap	4.11%	7.29%	11.24%	19.37%	30.54%	VN100	97.74%	97.52%	97.02%	95.80%	94.90%
VN Index	6.77%	11.45%	20.27%	27.73%	37.23%	VNSmallcap	66.48%	78.73%	77.70%	68.69%	70.85%

## **Indices Characteristics**

	VNAllshare	VN30	VNMidcap	VN100	VNSmallcap
Number of Constituents	252	30	70	100	152
Full Market-Capitalization (Billion VND)	2,754,723	2,362,794	304,034	2,666,828	87,895
Free-float adjusted Market-Capitalization (Billion VND)	1,023,479	830,531	149,088	979,619	43,860
Average	4,061	27,684	2,130	9,796	289
Max	122,856	122,856	9,707	122,856	1,739
Min	16	3,193	237	237	16
Median	461	20,470	1,728	2,396	219
Weighted capitalization of largest company	12.00%	14.79%	6.51%	12.54%	3.96%
Weighted capitalization of top-10 companies	56.94%	70.17%	38.70%	59.49%	20.94%

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# **VNAllshare Index**

VNAllshare is a market-capitalization weighted index comprises all HOSE-listed companies that passed screening for eligibility, free-float and liquidity.

Index Characteristics	
Number of Constituents	252
Full Market-Capitalization (Billion VND)	2,754,723
Free-float adjusted Market-Capitalization (Billion VND)	1,023,479
Average	4,061
Max	122,856
Min	16
Median	461
Weighted capitalization of largest company	12.00%
Weighted capitalization of top-10 companies	56.94%

#### Information

Base Date: 24/01/2014 Base Value: 560.19

Availability: Price and Total Return

Frequency:

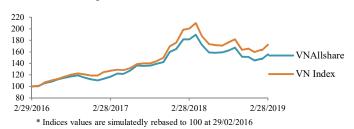
- VNAllshare: Once per minute. - VNAllshareTRI: End of day.

Capping limit: 10%

Calculation Method: Free-float adjusted market-capitalization weighted index.

Currency: VND

#### Indices performance from 29/02/2016 to 28/02/2019



## **Index Volatility**

	3 months	6 months	1 year	3 years	5 years
VNAllshare	6.91%	11.23%	19.41%	26.05%	34.45%

## **Correlation with VN Index**

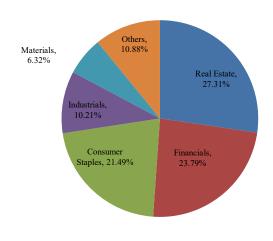
	3 months	6 months	1 year	3 years	5 years
VNAllshare	97.75%	97.55%	96.94%	95.67%	94.76%

#### **Index Performance**

		Performance (%)								Annualized Per	formance (%)
	2016	2017	2018	1 month	3 months	6 months	1 year	3 years	5 years	3 years	5 years
VNAllshare	7.46%	48.27%	-12.02%	5.56%	2.96%	-4.23%	-14.26%	55.64%	47.17%	15.89%	8.03%

#### Sector Breakdown

## Top-10 Constituents of Market Capitalization



	Stock	Sector	Free-float adjusted market-cap (Billion VND)	Weight (%)
1	VNM	Consumer Staples	122,856	12.00%
2	VIC	Real Estate	109,153	10.66%
3	VHM	Real Estate	73,271	7.16%
4	TCB	Financials	60,229	5.88%
5	MSN	Consumer Staples	46,532	4.55%
6	HPG	Materials	42,818	4.18%
7	VPB	Financials	35,598	3.48%
8	VRE	Real Estate	34,583	3.38%
9	VJC	Industrials	32,226	3.15%
10	MBB	Financials	25,547	2.50%
		Total	582,813	56.94%

Top-5 Sectors	<b>Top-5 Sectors of Market Capitalization</b>								
Sector	Number of Companies	Free-float adjusted market-cap (Billion VND)	Weight (%)						
Real Estate	35	279,537	27.31%						
Financials	23	243,522	23.79%						
Consumer Staples	24	219,897	21.49%						
Industrials	65	104,541	10.21%						
Materials	37	64,644	6.32%						

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VN30 is a market-capitalization weighted index which measures the performance of 30 large cap and high liquidity stocks from VNAllshare.

Index Characteristics	
Number of Constituents	30
Full Market-Capitalization (Billion VND)	2,362,794
Free-float adjusted Market-Capitalization (Billion VND)	830,531
Average	27,684
Max	122,856
Min	3,193
Median	20,470
Weighted capitalization of largest company	14.79%
Weighted capitalization of top-10 companies	70.17%

### Information

Base Date: 02/01/2009 Base Value: 313.34

Availability: Price and Total Return

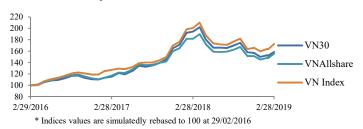
Frequency:

- VN30: Once per minute. - VN30TRI: End of day. Capping limit: 10%

Calculation Method: Free-float adjusted market-capitalization weighted index.

Currency: VND

#### Indices performance from 29/02/2016 to 28/02/2019



## **Index Volatility**

	3 months	6 months	1 year	3 years	5 years
VN30	7.46%	12.04%	21.26%	28.73%	37.62%

## **Correlation with VN Index**

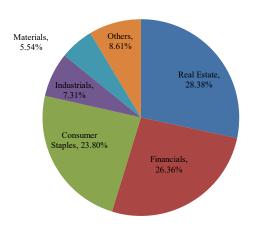
	3 months	6 months	1 year	3 years	5 years
VN30	96.03%	96.61%	96.87%	95.55%	94.72%

#### **Index Performance**

	Performance (%)							Annualized Per	formance (%)		
	2016	2017	2018	1 month	3 months	6 months	1 year	3 years	5 years	3 years	5 years
VN30	5.48%	53.89%	-12.36%	4.49%	1.14%	-6.63%	-18.34%	58.58%	36.33%	16.61%	6.39%

#### **Sector Breakdown**

## Top-10 Constituents of Market Capitalization



	Stock	Sector	Free-float adjusted market-cap (Billion VND)	Weight (%)
1	VNM	Hàng tiêu dùng thiết yếu	122,856	14.79%
2	VIC	Bất động sản	109,153	13.14%
3	VHM	Bất động sản	73,271	8.82%
4	TCB	Tài chính	60,229	7.25%
5	MSN	Hàng tiêu dùng thiết yếu	46,532	5.60%
6	HPG	Nguyên vật liệu	42,818	5.16%
7	VPB	Tài chính	35,598	4.29%
8	VRE	Bất động sản	34,583	4.16%
9	VJC	Công nghiệp	32,226	3.88%
10	MBB	Tài chính	25,547	3.08%
		Total	582,813	70.17%

<b>Top-5 Sectors of Market Capitalization</b>								
Sector	Number of Companies	Free-float adjusted market-cap (Billion VND)	Weight (%)					
Real Estate	4	235,732	28.38%					
Financials	9	218,921	26.36%					
Consumer Staples	4	197,660	23.80%					
Industrials	6	60,716	7.31%					
Materials	2	46,011	5.54%					

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# **VNMidcap Index**

VNMidcap is a market-capitalization weighted index which measures the performance of 70 medium market-capitalization companies from VNAllshare.

Index Characteristics	
Number of Constituents	70
Full Market-Capitalization (Billion VND)	304,034
Free-float adjusted Market-Capitalization (Billion VND)	149,088
Average	2,130
Max	9,707
Min	237
Median	1,728
Weighted capitalization of largest company	6.51%
Weighted capitalization of top-10 companies	38.70%

#### Information

**Base Date:** 24/01/2014 **Base Value:** 560.19

Availability: Price and Total Return

Frequency:

- VNMidcap: Once per minute.- VNMidcapTRI: End of day.

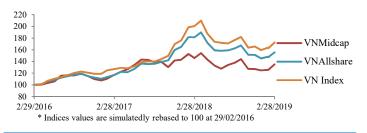
- VNMIdcap I KI: End of day.

Capping limit: 10%

Calculation Method: Free-float adjusted market-capitalization weighted index.

Currency: VND

#### Indices performance from 29/02/2016 to 28/02/2019



### **Index Volatility**

	3 months	6 months	1 year	3 years	5 years
VNMidcap	6.51%	10.98%	19.13%	25.75%	34.05%

#### **Correlation with VN Index**

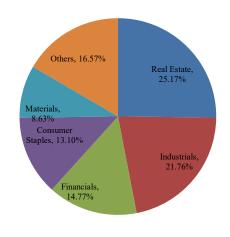
	3 months	6 months	1 year	3 years	5 years
VNMidcap	71.55%	83.86%	83.03%	77.90%	79.79%

#### **Index Performance**

	Performance (%)							Annualized Per	formance (%)		
	2016	2017	2018	1 month	3 months	6 months	1 year	3 years	5 years	3 years	5 years
VNMidcap	8.24%	32.38%	-12.78%	7.27%	6.26%	-2.10%	-7.50%	34.95%	64.20%	10.51%	10.43%

## Sector Breakdown

## **Top-10 Constituents of Market Capitalization**



	Stock	Sector	Free-float adjusted market-cap (Billion VND)	Weight (%)
1	TPB	Financials	9,707	6.51%
2	GEX	Industrials	8,017	5.38%
3	KDH	Real Estate	7,651	5.13%
4	DXG	Real Estate	6,428	4.31%
5	KBC	Real Estate	5,126	3.44%
6	VCI	Financials	5,020	3.37%
7	TCH	Industrials	4,741	3.18%
8	VHC	Consumer Staples	3,950	2.65%
9	HNG	Consumer Staples	3,590	2.41%
10	NLG	Real Estate	3,472	2.33%
		Total	57,704	38.70%

<b>Top-5 Sectors of Market Capitalization</b>								
Sector	Number of Companies	Free-float adjusted market-cap (Billion VND)	Weight (%)					
Real Estate	13	37,530	25.17%					
Industrials	13	32,440	21.76%					
Financials	7	22,019	14.77%					
Consumer Staples	8	19,527	13.10%					
Materials	12	12,871	8.63%					

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VN100 is a market-capitalization weighted index combining constituents from both VN30 and VNMidcap.

Index Characteristics	
Number of Constituents	100
Full Market-Capitalization (Billion VND)	2,666,828
Free-float adjusted Market-Capitalization (Billion VND)	979,619
Average	9,796
Max	122,856
Min	237
Median	2,396
Weighted capitalization of largest company	12.54%
Weighted capitalization of ton-10 companies	59.49%

#### Information

**Base Date:** 24/01/2014 **Base Value:** 560.19

Availability: Price and Total Return

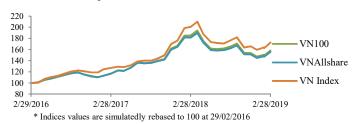
Frequency:

VN100: Once per minute.VN100TRI: End of day.Capping limit: 10%

Calculation Method: Free-float adjusted market-capitalization weighted index.

Currency: VND

#### Indices performance from 29/02/2016 to 28/02/2019



### **Index Volatility**

	3 months	6 months	1 year	3 years	5 years
VN100	7.09%	11.55%	20.08%	26.85%	35.29%

#### **Correlation with VN Index**

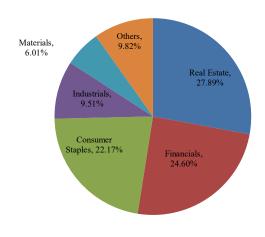
					_
	3 months	6 months	1 year	3 years	5 years
VN100	97.74%	97.52%	97.02%	95.80%	94.90%

#### **Index Performance**

		Performance (%)							Annualized Performance (%)		
	2016	2017	2018	1 month	3 months	6 months	1 year	3 years	5 years	3 years	5 years
VN100	7.00%	50.21%	-11.68%	5.64%	3.04%	-4.60%	-14.55%	58.19%	48.19%	16.52%	8.18%

#### **Sector Breakdown**

## **Top-10 Constituents of Market Capitalization**



	Stock	Sector	Free-float adjusted market-cap (Billion VND)	Weight (%)
1	VNM	Consumer Staples	122,856	12.54%
2	VIC	Real Estate	109,153	11.14%
3	VHM	Real Estate	73,271	7.48%
4	TCB	Financials	60,229	6.15%
5	MSN	Consumer Staples	46,532	4.75%
6	HPG	Materials	42,818	4.37%
7	VPB	Financials	35,598	3.63%
8	VRE	Real Estate	34,583	3.53%
9	VJC	Industrials	32,226	3.29%
10	MBB	Financials	25,547	2.61%
		Total	582,813	59.49%

Top-5 Sectors of Market Capitalization							
Sector	Number of Companies	Free-float adjusted market-cap (Billion VND)	Weight (%)				
Real Estate	17	273,263	27.89%				
Financials	16	240,940	24.60%				
Consumer Staples	12	217,187	22.17%				
Industrials	19	93,156	9.51%				
Materials	14	58,882	6.01%				

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# **VNSmallcap Index**

VNSmallcap is a market-capitalization weighted index and designed to measure the performance of small market-capitalization companies from VNAllshare.

Index Characteristics	
Number of Constituents	152
Full Market-Capitalization (Billion VND)	87,895
Free-float adjusted Market-Capitalization (Billion VND)	43,860
Average	289
Max	1,739
Min	16
Median	219
Weighted capitalization of largest company	3.96%
Weighted capitalization of top-10 companies	20.94%

#### Information

**Base Date:** 24/01/2014 **Base Value:** 560.19

Availability: Price and Total Return

Frequency:

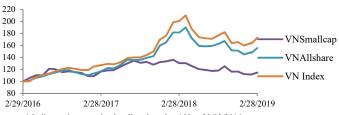
- VNSmallcap: Once per minute.- VNSmallcapTRI: End of day.

Capping limit: 10%

Calculation Method: Free-float adjusted market-capitalization weighted index.

Currency: VND

#### Indices performance from 29/02/2016 to 28/02/2019



\* Indices values are simulatedly rebased to 100 at 29/02/2016

#### **Index Volatility**

	3 months	6 months	1 year	3 years	5 years
VNSmallcap	4.11%	7.29%	11.24%	19.37%	30.54%

#### **Correlation with VN Index**

	3 months	6 months	1 year	3 years	5 years
VNSmallcap	66.48%	78.73%	77.70%	68.69%	70.85%

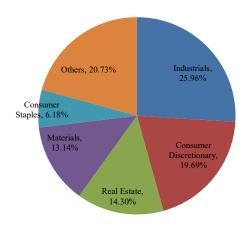
Free-float adjusted

#### **Index Performance**

		Performance (%)							Annualized Pe	rformance (%)	
	2016	2017	2018	1 month	3 months	6 months	1 year	3 years	5 years	3 years	5 years
VNSmallcap	8.94%	22.54%	-15.81%	2.62%	-1.54%	-2.91%	-12.12%	14.63%	24.21%	4.66%	4.43%

#### **Sector Breakdown**

## **Top-10 Constituents of Market Capitalization**



	Stock	Sector	market-cap (Billion VND)	Weight (%)
1	DBD	Health Care	1,739	3.96%
2	FTS	Financials	1,001	2.28%
3	TCM	Consumer Discretionary	999	2.28%
4	VNG	Consumer Discretionary	853	1.95%
5	VRC	Industrials	853	1.94%
6	DHC	Materials	777	1.77%
7	IDI	Consumer Staples	777	1.77%
8	TDH	Real Estate	756	1.72%
9	VFG	Materials	721	1.64%
10	LCG	Health Care	709	1.62%
		Total	9,185	20.94%

Top-5 Sectors	Top-5 Sectors of Market Capitalization									
Sector	Number of Companies	Free-float adjusted market-cap (Billion VND)	Weight (%)							
Industrials	46	11,386	25.96%							
Consumer Discretionary	24	8,635	19.69%							
Real Estate	18	6,274	14.30%							
Materials	23	5,762	13.14%							
Consumer Staples	12	2,711	6.18%							

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## SUMMARY OF HOSE-INDEX'S METHODOLOGY

#### **Selection Criteria:**

### 1. Eligibility:

- Must be listed and traded on HOSE for at least 6 (six) months prior Review Date.
- Must not violate disclosure requirement or subjected to controlled, special control or suspended at least 3 months prior Review Date.
- 2. Free-float: Companies must have free-float ratio minimum of 10%.
- **3. Liquidity:** Turnover ratio must be at least 0.05%.

#### **Constituents Selection:**

1. VNAllshare: Comprises the universe of all constituents that passed Selection Criteria.

#### 2 VN30.

- Eligibility constituents for VN30: Must belong to top-listed accumulated 90% of traded value of VNAllshare.
- 20 largest companies by market-capitalization are chosen. The remaining 10 companies are selected from 21st to 40th ranked in market-capitalization with priority given to current constituent(s) of VN30.

## 3. VNMidcap:

- Excluding the VN30 constituents, 40 largest companies by market-capitalization from the remaining pool will be chosen.
- 30 Stocks from the 41st to 80th of market-capitalization are select with priority given to current constituent(s) of VNMidcap index.
- **4.** VN100: Comprises all constituents of VN30 and VNMidcap.
- **5. VNSmallcap:** Comprises all constituents of VNAllshare excluding VN100.

# GLOBAL INDUSTRY CLASSIFICATION STANDARD (GICS®)

GICS (Global Industry Classification Standard) is the industry classification standard for securities market which developed and managed by MSCI and S&P. Information regarding to GICS classification shall be managed and disclosed by MSCI and S&P.

Securities listing on HOSE shall be classified by MSCI based on GICS standard. Information on listed companies is published on HOSE's website: www.hsx.vn.

Industrial classification update of constituent stocks shall be made semi-annually on the same date as Review Date.

