

Geneva, November 10, 2022

MSCI GLOBAL STANDARD INDEXES

The following are changes in constituents for the MSCI Global Standard Indexes which will take place as of the close of November 30, 2022.

SUMMARY PER COUNTRY and PER REGION:

Region	Country	Nb of Securities Added	Nb of Securities Deleted
Asia Pacific			
	AUSTRALIA	2	2
	HONG KONG	0	1
	INDONESIA	0	3
	PHILIPPINES	0	3
	TAIWAN	2	1
	KOREA	1	10
	THAILAND	0	1
	INDIA	6	0
	CHINA	36	34
	SINGAPORE	1	0

Region	Country	Nb of Securities Added	Nb of Securities Deleted
Europe, Middle East and Africa			
	BELGIUM	0	1
	SWITZERLAND	2	0
	DENMARK	0	1
	SPAIN	1	0
	GERMANY	0	2
	UNITED KINGDOM	0	1
	GREECE	1	0
	TURKEY	3	0
	IRELAND	2	0
	SAUDI ARABIA	3	0
	POLAND	1	1
	UNITED ARAB EMIRATES2		0

Region	Country	Nb of Securities Added	Nb of Securities Deleted
Americas			
	USA	16	12
	CANADA	2	3
	MEXICO	1	1
	BRAZIL	1	0
	COLOMBIA	0	1

ASIA PACIFIC

MSCI AUSTRALIA INDEX

Additions

IGO

PILBARA MINERALS

Deletions

DOMINO'S PIZZA ENT

EVOLUTION MINING

MSCI HONG KONG INDEX

Additions

None

Deletions

CHOW TAI FOOK JEWELLERY

MSCI INDONESIA INDEX

Additions

None

Deletions

ADARO MINERALS INDONESIA

GUDANG GARAM

TOWER BERSAMA INFRA

MSCI PHILIPPINES INDEX

Additions
None

Deletions
CONVERGE INFO & COMMU
GT CAPITAL HOLDINGS
METRO PACIFIC INVESTMENT

MSCI TAIWAN INDEX

Additions
PHARMAESSENTIA
TAIWAN BUSINESS BANK

Deletions
ASMEDIA TECHNOLOGY

MSCI KOREA INDEX

Additions
HYUNDAI MIPO DOCKYARD

Deletions
ALTEOGEN
AMOREG
CJ ENM CO
CJ LOGISTICS CORP
GREEN CROSS CORP
GS ENGINEERING & CONSTR
LG H&H PREF
MERITZ FINANCIAL HOLDING
SEEGENE
SK CHEMICALS (NEW)

MSCI THAILAND INDEX

Additions
None

Deletions
BANGKOK COMM ASSET MGT

MSCI INDIA INDEX

Additions
ABB INDIA
BAJAJ HLDGS & INVESTMENT
INDIAN HOTELS CO
TUBE INVESTMENT (NEW)
TVS MOTOR CO
VARUN BEVERAGES

Deletions
None

MSCI CHINA INDEX

Additions
3PEAK A (HK-C)
BANK OF SUZHOU A (HK-C)
BEIJING CISRI A (HK-C)
BEIJING YANJING A (HK-C)
BETHEL AUTO A (HK-C)
C&D INTERNATIONAL INV
CHINA NAT'L A (HK-C)
CHINA RESOURCES PHARMA
CHINA TOURISM GROUP H
CHOW TAI FOOK (CN)
DAJIN HEAVY IND A (HK-C)
DATANG INTL PWR A (HK-C)
GCL TECHNOLOGY HOLDINGS
GUANGDONG HEC A (HK-C)
GUANGZHOU GREAT A (HK-C)
HAICHANG OCEAN PARK HLDG
HANGZHOU BINJIA A (HK-C)
HANGZHOU CHANG A (HK-C)
HENGDIAN GROUP A (HK-C)
HUBEI FEILIHUA A (HK-C)
HUBEI JUMPCAN A (HK-C)
IRAY TECHNOLOGY A (HK-C)
JIANGSU GOODWE A (HK-C)
JUNEYAO AIRLINES A (HK-C)
KOOLEARN TECHNOLOGY HLDG
PORTON PHARMA A (HK-C)
SHANDONG WEIFANG A (HK-C)
SHANGHAI ELECT A (HK-C)
SHANGHAI FUD MIC A (HK-C)

Deletions
A-LIVING SMART CITY H
ALIBABA PICTURES GROUP
BEIJING SHUNXIN A (HK-C)
BEIJING SINNET A (HK-C)
CANSINO BIO A (HK-C)
CANSINO BIOLOGICS H
CHINA SUNTIEN GREEN H
CIFU HOLDINGS GROUP CO
FIBERHOME TELECO A (HK-C)
GIANT NETWORK A (HK-C)
HOPSON DEVELOPMENT HLDGS
HUTCHMED (CHINA) ADR
INTCO MEDICAL A (HK-C)
JIANGXI ZHENGBA A (HK-C)
JINKE PPTY GRP A (HK-C)
JINXIN FERTILITY GROUP
KUNLUN TECH CO A (HK-C)
MAANSHAN IRON A (HK-C)
MING YUAN CLOUD GROUP
MMG
NORTHEAST SEC A (HK-C)
QINGDAO RURAL A (HK-C)
RLX TECHNOLOGY ADR
SEAZEN GROUP
SINOTRANS A (HK-C)
SINOTRUK (HONG KONG)
TRANSFAR ZHILIA A (HK-C)
WHARF HOLDINGS (CN)
WINNING HEALTH A (HK-C)

SHANGHAI FUDAN MICROEL H
SHANGHAI RURAL A (HK-C)
SHENZHEN KSTAR A (HK-C)
SHENZHEN YUTO A (HK-C)
WUHAN DR LASER A (HK-C)
WUXI AUTOWELL A (HK-C)
ZHEJIANG SUPCON A (HK-C)

XIAMEN INTRETECH A(HK-C)
ZHANGJIANG HI A (HK-C)
ZHEJIANG ORIENTG A(HK-C)
ZHEJIANG SEMIR A (HK-C)
ZOOMLION HEAVY IND H

MSCI SINGAPORE INDEX

Additions
JARDINE CYCLE & CARRIAGE

Deletions
None

EUROPE, MIDDLE EAST AND AFRICA

MSCI BELGIUM INDEX

Additions
None

Deletions
PROXIMUS

MSCI SWITZERLAND INDEX

Additions
BANQUE CANTONALE VAUDOIS
BKW

Deletions
None

MSCI DENMARK INDEX

Additions
None

Deletions
GN STORE NORD

MSCI SPAIN INDEX

Additions
ACCIONA ENERGIA

Deletions
None

MSCI GERMANY INDEX

Additions
None

Deletions
KION GROUP
UNIPER

MSCI UNITED KINGDOM INDEX

Additions
None

Deletions
FERGUSON

MSCI GREECE INDEX

Additions
TERNA ENERGY

Deletions
None

MSCI TURKEY INDEX

Additions
HEKTAS TICARET
SASA POLYESTER SANAYI
YAPI VE KREDI BANKASI

Deletions
None

MSCI IRELAND INDEX

Additions
AIB GROUP
BANK OF IRELAND GROUP

Deletions
None

MSCI SAUDI ARABIA INDEX

Additions
ARABIAN INTERNET COMMU
DALLAH HEALTHCARE HLDG
NAHDI MEDICAL COMPANY

Deletions
None

MSCI POLAND INDEX

Additions

Deletions

PEPCO GROUP(PL)

ORANGE POLSKA

MSCI UNITED ARAB EMIRATES INDEX

Additions

MULTIPLY GROUP

Q HOLDING

Deletions

None

AMERICAS

MSCI USA INDEX

Additions

ARES MANAGEMENT CORP

ASPEN TECHNOLOGY

CHESAPEAKE ENERGY CORP

CONTINENTAL RESOURCES

DARLING INGREDIENTS

FERGUSON(US)

FIRST HORIZON NATIONAL

FIRST SOLAR

HF SINCLAIR

HUBBELL

LAMB WESTON HOLDINGS

OVINTIV(US)

PAYLOCITY HOLDING CORP

REPLIGEN CORP

TOAST A

WOLFSPEED

Deletions

AMC ENTERTAINMENT HLDG A

AMC ENTMT HLDG PREF UNIT

APPROVIN CORP A

CABLE ONE

COUPA SOFTWARE

GUIDEWIRE SOFTWARE

IAC

LYFT A

RING CENTRAL A

TELADOC HEALTH

VORNADO REALTY TRUST

WAYFAIR A

MSCI CANADA INDEX

Additions

DESCARTES SYSTEMS GROUP

ELEMENT FLEET MANAGEMENT

Deletions

BAUSCH HEALTH COMPANIES

BLACKBERRY

LIGHTSPEED COMMERCE SV

MSCI MEXICO INDEX

Additions

BANCO DEL BAJIO O

Deletions

SITIOS LATINOAMERICA B1

MSCI BRAZIL INDEX

Additions

SENDAS DISTRIBUIDORA ON

Deletions

None

MSCI COLOMBIA INDEX

Additions

None

Deletions

ECOPETROL

Notice and Disclaimer

- This document and all of the information contained in it, including without limitation all text, data, graphs, charts (collectively, the “Information”) is the property of MSCI Inc. or its subsidiaries (collectively, “MSCI”), or MSCI’s licensors, direct or indirect suppliers or any third party involved in making or compiling any Information (collectively, with MSCI, the “Information Providers”) and is provided for informational purposes only. The Information may not be modified, reverse-engineered, reproduced or disseminated in whole or in part without prior written permission from MSCI.
- The Information may not be used to create derivative works or to verify or correct other data or information. For example (but without limitation), the Information may not be used to create indexes, databases, risk models, analytics, software, or in connection with the issuing, offering, sponsoring, managing or marketing of any securities, portfolios, financial products or other investment vehicles utilizing or based on, linked to, tracking or otherwise derived from the Information or any other MSCI data, information, products or services.
- The user of the Information assumes the entire risk of any use it may make or permit to be made of the Information. NONE OF THE INFORMATION PROVIDERS MAKES ANY EXPRESS OR IMPLIED WARRANTIES OR REPRESENTATIONS WITH RESPECT TO THE INFORMATION (OR THE RESULTS TO BE OBTAINED BY THE USE THEREOF), AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, EACH INFORMATION PROVIDER EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES (INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF ORIGINALITY, ACCURACY, TIMELINESS, NON-INFRINGEMENT, COMPLETENESS, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) WITH RESPECT TO ANY OF THE INFORMATION.
- Without limiting any of the foregoing and to the maximum extent permitted by applicable law, in no event shall any Information Provider have any liability regarding any of the Information for any direct, indirect, special, punitive, consequential (including lost profits) or any other damages even if notified of the possibility of such damages. The foregoing shall not exclude or limit any liability that may not by applicable law be excluded or limited, including without limitation (as applicable), any liability for death or personal injury to the extent that such injury results from the negligence or willful default of itself, its servants, agents or sub-contractors.
- Information containing any historical information, data or analysis should not be taken as an indication or guarantee of any future performance, analysis, forecast or prediction. Past performance does not guarantee future results.
- The Information should not be relied on and is not a substitute for the skill, judgment and experience of the user, its management, employees, advisors and/or clients when making investment and other business decisions. All Information is impersonal and not tailored to the needs of any person, entity or group of persons.
- None of the Information constitutes an offer to sell (or a solicitation of an offer to buy), any security, financial product or other investment vehicle or any trading strategy.
- It is not possible to invest directly in an index. Exposure to an asset class or trading strategy or other category represented by an index is only available through third party investable instruments (if any) based on that index. MSCI does not issue, sponsor, endorse, market, offer, review or otherwise express any opinion regarding any fund, ETF, derivative or other security, investment, financial product or trading strategy that is based on, linked to or seeks to provide an investment return related to the performance of any MSCI index (collectively, “Index Linked Investments”). MSCI makes no assurance that any Index Linked Investments will accurately track index performance or provide positive investment returns. MSCI Inc. is not an investment adviser or fiduciary and MSCI makes no representation regarding the advisability of investing in any Index Linked Investments.
- Index returns do not represent the results of actual trading of investable assets/securities. MSCI maintains and calculates indexes, but does not manage actual assets. Index returns do not reflect payment of any sales charges or fees an investor may pay to purchase the securities underlying the index or Index Linked Investments. The imposition of these fees and charges would cause the performance of an Index Linked Investment to be different than the MSCI index performance.
- The Information may contain back tested data. Back-tested performance is not actual performance, but is hypothetical. There are frequently material differences between back tested performance results and actual results subsequently achieved by any investment strategy.
- Constituents of MSCI equity indexes are listed companies, which are included in or excluded from the indexes according to the application of the relevant index methodologies. Accordingly, constituents in MSCI equity indexes may include MSCI Inc., clients of MSCI or suppliers to MSCI. Inclusion of a security within an MSCI index is not a recommendation by MSCI to buy, sell, or hold such security, nor is it considered to be investment advice.
- Data and information produced by various affiliates of MSCI Inc., including MSCI ESG Research Inc. and Barra LLC, may be used in calculating certain MSCI indexes. More information can be found in the relevant index methodologies on www.msci.com.
- MSCI receives compensation in connection with licensing its indexes to third parties. MSCI Inc.’s revenue includes fees based on assets in Index Linked Investments. Information can be found in MSCI Inc.’s company filings on the Investor Relations section of www.msci.com.
- MSCI ESG Research Inc. is a Registered Investment Adviser under the Investment Advisers Act of 1940 and a subsidiary of MSCI Inc. Except with respect to any applicable products or services from MSCI ESG Research, neither MSCI nor any of its products or services recommends, endorses, approves or otherwise expresses any opinion regarding any issuer, securities, financial products or instruments or trading strategies and MSCI’s products or services are not intended to constitute investment advice or a recommendation to make (or refrain from making) any kind of investment decision and may not be relied on as such. Issuers mentioned or included in any MSCI ESG Research materials may include MSCI Inc., clients of MSCI or suppliers to MSCI, and may also purchase research or other products or services from MSCI ESG Research. MSCI ESG Research materials, including materials utilized in any MSCI ESG Indexes or other products, have not been submitted to, nor received approval from, the United States Securities and Exchange Commission or any other regulatory body.
- Any use of or access to products, services or information of MSCI requires a license from MSCI. MSCI, Barra, RiskMetrics, IPD, FEA, InvestorForce, and other MSCI brands and product names are the trademarks, service marks, or registered trademarks of MSCI or its subsidiaries in the United States and other jurisdictions. The Global Industry Classification Standard (GICS) was developed by and is the exclusive property of MSCI and Standard & Poor’s. “Global Industry Classification Standard (GICS)” is a service mark of MSCI and Standard & Poor’s.

© 2022 MSCI. All rights reserved.

About MSCI

For more than four decades, MSCI (NYSE: MSCI) has helped global investors build and manage better portfolios. Our research-based tools and services provide our clients with deeper insights into drivers of risk and performance, broad asset class coverage and innovative ways to bring investment strategies to market. Our offerings include indexes, data, analytical models, regulatory reporting and ESG research. MSCI’s clients include 95 of the world’s 100 largest money managers, as ranked by P&I. For more information, visit us at www.msci.com.