Geneva, November 10, 2022

## MSCI GLOBAL SMALL CAP INDEXES

The following are changes in constituents for the MSCI Global Small Cap Indexes

which will take place as of the close of November 30, 2022.

SUMMARY PER COUNTRY and PER REGION:

		Nb of	Nb of
		Securities	Securities
Region	Country	Added	Deleted
Asia Pacific			
	AUSTRALIA	5	18
	JAPAN	9	4
	HONG KONG	1	3
	NEW ZEALAND	1	1
	MALAYSIA	5	6
	INDONESIA	4	3
	PHILIPPINES	3	2
	TAIWAN	10	11
	KOREA	20	55
	THAILAND	5	2
	INDIA	44	7
	CHINA	27	40
	SINGAPORE	0	3
		Nb of	Nb of
		Securities	Securities
Region	Country	Added	Deleted
5	7		
Europe, Middle East and Africa			
	BELGIUM	2	2
	SWITZERLAND	1	4
	DENMARK	1	0
	SPAIN	2	2
	FRANCE	1	5
	GERMANY	<del>-</del>	5
	NETHERLANDS	1 2	0 1
	ITALY	4	
	NORWAY AUSTRIA	0	2
	SWEDEN	4	10
	UNITED KINGDOM	4	14
	FINLAND	0	5
	GREECE	0	1
	TURKEY	10	6
	IRELAND	0	2
	HUNGARY	0	1
	ISRAEL	8	2
	KUWAIT	2	1
		9	1
	POLAND	1	0
	CZECH REPUBLIC	1	0
	UNITED ARAB EMIRATES2 1		
	EGYPT	1	1
	QATAR	2	0
		Nb of	Nb of
		Securities	Securities
Region	Country	Added	Deleted
Imonique			
Americas	USA	82	90
	CANADA	6	12
	MEXICO	1	12
	CHILE	1	0
	BRAZIL	5	4
	PERU	0	1
	1 1100	<u> </u>	<u> </u>

#### ASIA PACIFIC

MSCI AUSTRALIA INDEX

Additions

ARGOSY MINERALS
DOMINO'S PIZZA ENT
EVOLUTION MINING

NEUREN PHARMA (AU)

TERRACOM

Deletions

5E ADVANCED MATRLS CDI

ALKANE RESOURCES

APPEN

AUSTRALIAN STRATEGIC BETMAKERS TECH GROUP CITY CHIC COLLECTIVE

DGL GROUP
EML PAYMENTS
GDI PROPERTY GROUP

IGO

KOGAN.COM

PACT GROUP HOLDINGS LTD

PILBARA MINERALS

RED 5

SG FLEET GROUP

SOUTHERN CROSS MEDIA GRP

ST BARBARA

WESTGOLD RESOURCES

MSCI JAPAN INDEX

Additions
ADVENTURE
AICHI FINANCIAL GROUP
HAKUTO CO
J TRUST CO
M&A RESEARCH INSTITUTE
OSAKA TITANIUM TECH CO
SHIN NIPPON BIO LAB

Deletions ANGES

CONEXIO CORP MEDPEER PLAID

MSCI HONG KONG INDEX

Additions

W SCOPE CORP WINGARC1ST

KINGKEY FINANCIAL INTL

Deletions

CRYSTAL INTL GROUP (HK) L K TECHNOLOGY HOLDINGS ZENSUN ENTERPRISES (HK)

MSCI NEW ZEALAND INDEX

Additions EBOS GROUP Deletions SYNLAIT MILK

MSCI MALAYSIA INDEX

Additions

AFFIN BANK FARM FRESH LINGKARAN TRANS KOTA

PMB TECHNOLOGY

SAM ENGINEERING & EQUIP

Deletions

DUOPHARMA BIOTECH MAH SING GROUP MI TECHNOVATION

SUNWAY

SUNWAY CONSTRUCTION
YTL HOSPITALITY REIT

MSCI INDONESIA INDEX

Additions

ASTRINDO NUSANTRA INFRA BUKALAPAK.COM

BUMI RESOURCES

Deletions

ADI SARANA ARMADA M CASH INTEGRASI MNC VISION NETWORKS

MSCI PHILIPPINES INDEX

Additions

CONVERGE INFO & COMMU GT CAPITAL HOLDINGS

METRO PACIFIC INVESTMENT

Deletions
ALLHOME CORP

VISTA LAND & LIFESCAPES

MSCI TAIWAN INDEX

Additions

ASMEDIA TECHNOLOGY BORA PHARMACEUTICALS DELPHA CONSTRUCTION FARGLORY FTZ INVESTMENT

HU LANE ASSOCIATE PHARMAENGINE INC POLARIS GROUP SAKURA DEVELOPMENT SINON CORP

VISERA TECHNOLOGIES

MSCI KOREA INDEX

Additions ALTEOGEN AMOREG APROGEN CJ ENM CO CJ LOGISTICS CORP

COSMO CHEMICAL GREEN CROSS CORP

GS ENGINEERING & CONSTR

HPSP CO HUMASIS

HYUNDAI ENERGY SOLUTIONS

ISU CHEMICAL CO KUMYANG SAMCHULLY CO SEEGENE

SK CHEMICALS (NEW)

STCUBE

STUDIO DRAGON CORP

SUN KWANG SUNGEEL HITECH Deletions

91APP

AMTRAN TECHNOLOGY CO FIRST COPPER TECHNOLOGY

GENESYS LOGIC

HIWIN MIKROSYSTEM CORP

PC HOME ONLINE REXON INDUSTRIAL SAN SHING FASTECH CORP SONIX TECHNOLOGY CO TAITA CHEMICAL

TAIWAN BUSINESS BANK

Deletions

ACE TECHNOLOGIES AEKYUNG INDUSTRIAL

AMICOGEN

APTABIO THERAPEUTICS

BGF BINEX CO BINGGRAE CO BNC KOREA CAFE24

CMG PHARMACEUTICAL CONTENTREEJOONGANG CORP

COWELL FASHION DI DONGIL DIO CORP DLCONSTRUCTION

DONGWON DEVELOPMENT CO

DOOSAN TESNA EOFLOW EUBIOLOGICS FINE SEMITECH GIANTSTEP

HANJIN TRANSPORTATION

HDC CO

HJ SHIPBUILDING & CONST

HL HOLDINGS CORP HUONS (NEW) HYOSUNG CHEMICAL HYUNDAI MIPO DOCKYARD ILYANG PHARMACEUTICAL CO INTRON BIOTECHNOLOGY KGINICIS CO KOREA CIRCUIT

KOREA REAL ESTATE INV KOREA UNITED PHARM

KT SKYLIFE KUK IL PAPER MFG

KUKJEON PHARMACEUTICAL LB SEMICON

LOCK & LOCK

LOTTE DATA COMMUNICATION

LOTTE HIMART LX HAUSYS

MAEIL DAIRIES (NEW) MEZZION PHARMA CO MIRAE ASSET LIFE INS REYON PHARMACEUTICAL SAMWHA CAPACITOR CO SAMYANG CORP

SANGSANGIN CO

SBW LIFE SCIENCES CO

SUHEUNG CO

TES

UNITEST INC

VIDENTE

WOORI TECHNOLOGY INV

MSCI THAILAND INDEX

Additions

Deletions

BANGKOK COMM ASSET MGT ERAWAN GROUP (THE) JWD INFOLOGISTICS NEX POINT RAMKHAMHAENG HOSPITAL PSG CORPORATION SYNNEX THAILAND

MSCI INDIA INDEX
Additions
APAR INDUSTRIES
ARVIND FASHIONS
ASTEC LIFESCIENCES
BARBEQUE NATION HPTY
BLS INTERNATIONAL SVCS
BOROSIL
CMS INFO SYSTEMS
CRAFTSMAN AUTOMATION
DATA PATTERNS INDIA

Deletions
CANARA BANK
INDIAN HOTELS CO
LLOYDS METALS & ENERGY
SCHAEFFLER INDIA
SPICEJET
TUBE INVESTMENT (NEW)
TVS MOTOR CO

BARBEQUE NATION HPTY
BLS INTERNATIONAL SVCS
BOROSIL
CMS INFO SYSTEMS
CRAFTSMAN AUTOMATION
DATA PATTERNS INDIA
ELECON ENGINEERING CO
ELGI EQUIPMENTS
FINEOTEX CHEMICAL
GARDEN REACH SHIP & ENGR
HIMADRI SPECIALITY CHEM
HINDUJA GLOBAL SOLUTIONS
HINDUSTAN FOODS
INGERSOLL-RAND INDIA
JK TYRE & INDUSTRIES
KENNAMETAL INDIA
KIRLOSKAR FERROUS IND
KIRLOSKAR OIL ENGINES
KRBL

LA OPALA RG
LATENT VIEW ANALYTICS
LT FOODS
MAHARASHTRA SCOOTERS
MEGHMANI FINECHEM
MIRZA INTERNATIONAL
NEOGEN CHEMICALS
PARADEEP PHOSPHATES
PC JEWELLER
RAINBOW CLDRNS MEDICR
RAJRATAN GLOBAL WIRE
RELIANCE INFRASTRUCTURE
RITES

TATA COFFEE
TATVA CHINTAN PHARMA
VRL LOGISTICS
VST INDUSTRIES
WEST COAST PAPER MILLS

MSCI CHINA INDEX

ROLEX RINGS
SAFARI INDUSTRIES
SANSERA ENGINEERING
TARSONS PRODUCTS

Additions A-LIVING SMART CITY H ALIBABA PICTURES GROUP ARRAIL GROUP BEIJING CHUNLIZHENGDA H CHERVON HOLDINGS CIFI HOLDINGS GROUP CO DINGDONG A ADR GUSHENGTANG HOLDINGS HOPSON DEVELOPMENT HLDGS HUTCHMED (CHINA) ADR INTRON TECHNOLOGY HLDGS JINKE SMART SVCS GROUP H JINXIN FERTILITY GROUP KEYMED BIOSCIENCES KINETIC DEVELOPMENT GRP L K TECHNOLOGY HLDGS(CN) LINKLOGIS B MING YUAN CLOUD GROUP

Deletions ARCHOSAUR GAMES BEIJING ENERGY INTL HLDG BURNING ROCK BIO A ADR C&D INTERNATIONAL INV CENTRAL CHINA MGMT CHINA HARMONY AUTO HLDG CHINA MERCHANTS LAND CHINA SCE GROUP HOLDINGS CHINA YOUZAN (CN) EHANG HOLDINGS A ADR GAOTU TECHEDU A ADR GCL NEW ENER HLDGS (CN) GLORY SUN FINANCIAL (CN) GREATVIEW ASEPTIC (CN) GREENLAND HK HOLDINGS HAICHANG OCEAN PARK HLDG HONG KONG AEROSPACE TECH INSPUR INTERNATIONAL

MMG PRODUCTIVE TECHNOLOGIES

RENREN A ADR RLX TECHNOLOGY ADR SEAZEN GROUP

SHANDONG CHENMING PAPE B SHANGHAI BIO HEART H UNITED STRENGTH POWER YICHANG HEC CHANGJIANG H

JH EDUCATIONAL TECH JIAYUAN INTERNATIONAL JW CAYMAN THERAPEUTICS KOOLEARN TECHNOLOGY HLDG KWG LIVING GROUP HLDGS MULSANNE GROUP HLDG NEWBORN TOWN

NIU TECHNOLOGIES A ADR ONECONNECT FINL TECH ADR POWERLONG COMM MGMT HLDG QINGLING MOTORS CO H REDSUN PROPERTIES GROUP ROAD KING INFRA (CN) RONSHINE CHINA HOLDINGS SHANGHAT INDI. IIRBAN DEV SKYFAME REALTY HOLDINGS SUNKWAN PROPERTIES YINCHENG INTL HLDGS YUZHOU GROUP HOLDINGS CO ZHENGZHOU COAL MINING H ZHENRO PROPERTIES GROUP ZHONGLIANG HOLDINGS GRP

MSCI SINGAPORE INDEX

Additions

None

Deletions

CHINA AVIATION OIL SG

HAW PAR CORP

OTTE

EUROPE, MIDDLE EAST AND AFRICA

MSCI BELGIUM INDEX

Additions EXMAR PROXIMUS

Deletions GTMV

ORANGE BELGIUM

MSCI SWITZERLAND INDEX

Additions SKAN GROUP Deletions APG SGA

BANQUE CANTONALE VAUDOIS

BKW

MOLECULAR PARTNERS

MSCI DENMARK INDEX

Additions GN STORE NORD Deletions None

MSCI SPAIN INDEX

Additions

OPDENERGY HOLDING

VIDRALA

Deletions

ALBA (CORP FINANCIERA) AUDAX RENOVABLES

MSCI FRANCE INDEX

Additions SECHE ENVIRONNEMENT Deletions ARAMIS GROUP GROUPE GUILLIN LNA SANTE SOLUTIONS 30 SE

VANTIVA

Deletions

MSCI GERMANY INDEX

Additions ADVA OPTICAL NETWORKING

KION GROUP SUSE

UNIPER NORTHERN DATA

ADLER GROUP BIKE24 HOLDING MEDIA AND GAMES INVEST

ZEAL NETWORK

MSCI NETHERLANDS INDEX

Additions Deletions ALLFUNDS GROUP None

MSCI ITALY INDEX

Additions Deletions

BE IMMOBILIARE GRANDE DISTR

INDUSTRIE DE NORA

MSCI NORWAY INDEX

Additions Deletions

CADELER LINK MOBILITY GROUP
COOL COMPANY SELVAAG BOLIG
HOEGH AUTOLINERS ASA

NORSKE SKOG

MSCI AUSTRIA INDEX

Additions Deletions None FACC

TELEKOM AUSTRIA

MSCI SWEDEN INDEX

Additions

ENGCON B

MEDICOVER B

NP3 FASTIGHETER

ORRON ENERGY

Deletions

BHG GROUP

BICO GROUP B

BONAVA B

FINGERPRINT

FINGERPRINT CARDS B HUMBLE GROUP LIME TECHNOLOGIES

RENEWCELL

SEDANA MEDICAL AB

STORYTEL B VNV GLOBAL

MSCI UNITED KINGDOM INDEX

Additions Deletions
ALPHA FINANCIAL MKT CONS ARGO BLOCKCHAIN
DISCOVERIE GROUP AVACTA GROUP
MOLTEN VENTURES BAKKAVOR GROUP
WATCHES OF SWITZERLAND GYM GROUP

HOTEL CHOCOLAT GROUP JONES (WATKIN)

LUCECO MARSTON'S

NUMIS CORPORATION ON THE BEACH GROUP RESTAURANT GROUP SABRE INSURANCE GROUP

SAGA STRIX GROUP

MSCI FINLAND INDEX

Additions Deletions
None HARVIA
KAMUX

REMEDY ENTERTAINMENT

SPINNOVA WITHSECURE

MSCI GREECE INDEX

Additions Deletions None TERNA ENERGY

MSCI TURKEY INDEX

Additions Deletions

AYGAZ AKSA ENERJI URETIM

BORUSAN YATIRIM DOGUS OTOMOTIV SERVICES GIRISIM ELEKTRIK SANAYI KONTROLMATIK TEKNOLOJI KORDSA GLOBAL ENDUSTRIYE ODAS ELEKTRIK URETIM OYAK YATIRIM MENKUL SMART GUNES ENERJISI ZIRAAT GAYRIMENKUL YATIR

COCA-COLA ICECEK GUBRE FABRIKALARI TAS HEKTAS TICARET JANTSA JANT SANAYI KIZILBUK GAYRIMENKUL

MSCI IRELAND INDEX

Additions None

Deletions AIB GROUP

BANK OF IRELAND GROUP

MSCI HUNGARY INDEX

Additions None

Deletions OPUS GLOBAL

MSCI ISRAEL INDEX

Additions CARASSO MOTORS INFINYA INNOVIZ TECH NEOGAMES RISKIFIED A SCOPE METALS TRAD & TECH TEL AVIV STOCK EXCHANGE TURPAZ INDUSTRIES

Deletions COGNYTE SOFTWARE ELECTREON WIRELESS

MSCI KUWAIT INDEX

Additions

ALI AL-GHANIM SONS AUTO SALHIA REAL ESTATE

Deletions

ALIMTIAZ INVESTMENT CO

MSCI SAUDI ARABIA INDEX

Additions

AL MASANE AL KOBRA MING AL-DAWAA MEDICAL SVCS ALAMAR FOODS COMPANY BAWAN

BINDAWOOD HOLDING CO RETAL URBAN DEVELOPMENT RIYAD REIT SUMOU REAL ESTATE CO TANMIAH FOOD COMPANY

Deletions

DALLAH HEALTHCARE HLDG

MSCI POLAND INDEX

Additions ORANGE POLSKA Deletions None

MSCI CZECH REPUBLIC INDEX

Deletions Additions CZG CESKA ZBROJOVKA None

MSCI UNITED ARAB EMIRATES INDEX

Additions DUBAI FINANCIAL MARKET SHARJAH ISLAMIC BANK

Deletions SHUAA CAPITAL

MSCI EGYPT INDEX

Additions Deletions

ABOU KIR FERT & CHEM IND JUHAYNA FOOD INDUSTRIES

MSCI QATAR INDEX

Additions

ESTITHMAR HOLDING MANNAI CORPORATION Deletions None

#### AMERICAS

MSCI USA INDEX Additions ADMA BIOLOGICS AEHR TEST SYSTEMS AEROVATE THERAPEUTICS

AKOUOS ALLAKOS

ALLIED MOTION TECH ALTIMMUNE

AMC ENTERTAINMENT HLDG A AMC ENTMT HLDG PREF UNIT

APPLOVIN CORP A

ARCELLX

ARTESIAN RESOURCES A AURORA INNOVATION A AVEO PHARMACEUTICALS

AXOGEN BLUEBIRD BIO

BRIDGEWATER BANCSHARES BUSINESS FIRST BANCSHS

CABLE ONE

CAMBRIDGE BANCORP CHARGE ENTERPRISES CLAROS MORTGAGE TRUST COASTAL FINANCIAL COGENT BIOSCIENCES COUPA SOFTWARE

COVENANT LOGISTICS GRP A CTT BIOPHARMA CORP DIAMOND OFFSHORE

DOXIMITY A

ENTRADA THERAPEUTICS EQUITY BANCSHARES ESPERION THERAPEUTICS

EXCELERATE ENERGY A

EZCORP

FARMERS NATL BANC CORP FIRST WATCH RESTAURANT FIVE STAR BANCORP FLUENCE ENERGY A FORGEROCK A

G1 THERAPEUTICS GUIDEWIRE SOFTWARE

HAYNES INTERNATIONAL HBT FINANCIAL HILLEVAX INC

IAC TNOTTV JOBY AVIATION

KURA SUSHI USA A LYFT A

METROCITY BANKSHARES MID PENN BANCORP NKARTA

NUSCALE POWER NUTEX HEALTH NUVALENT A

PAM TRANSPORTATION SVCS PLAYTIKA HOLDING CORP PLIANT THERAPEUTICS PROFRAC HOLDING A

PROKIDNEY A

QUANTUMSCAPE CORP A RING CENTRAL A SENECA FOODS CORP A SMARTFINANCIAL SOUTH PLAINS FINANCIAL

STH MISSOURI BANCORP

Deletions 4D MOLECULAR

ADTHEORENT HLDG CO A

ARYE A

AMERICAN PUBLIC EDU

APPHARVEST

ARES MANAGEMENT CORP ASPEN TECHNOLOGY ASTRA SPACE A

AUDACY AVAYA HOLDINGS

AVEANNA HEALTHCARE HLDGS

BENEFITFOCUS

BLADE ATR MOBILITY A

BLUE BIRD (US)

BOXED CANTALOUPE

CHESAPEAKE ENERGY CORP

CHIMERIX CIPHER MINING

CURO GROUP HOLDINGS CORP DANIMER SCIENTIFIC INC A DARLING INGREDIENTS

DERMTECH DIEBOLD NIXDORF

DIVERSIFIED HEALTHCARE

DOMA HOLDINGS DULUTH HOLDINGS B EMBARK TECHNOLOGY A

EVEROUOTE A FARADAY A

FIRST HORIZON NATIONAL

FIRST SOLAR

FIVE POINT HOLDINGS A FRANKLIN STREET PPTYS

GANNETT CO GLATFELTER GROUPON

GROWGENERATION CORP

HE SINCLAIR

HOVNANIAN ENTERPRISES A

HUBBELL

HYDROFARM HOLDINGS

IDEANOMICS INSEEGO CORP JOINT (THE)

LAMB WESTON HOLDINGS

LATCH LL FLOORING LOCAL BOUNTI LOYALTY VENTURES MACROGENICS MCEWEN MINING

OFFERPAD SOLUTIONS A OPORTUN FINANCIAL OUSTER

OVINTIV(US) PARTY CITY HOLDCO PAYLOCITY HOLDING CORP PETIQ A

PLBY GROUP PORCH GROUP A PRAXIS PRECISION MED QUOTIENT TECHNOLOGY REALREAL (THE) RELMADA THERAPEUTICS

SWEETGREEN A
TARSUS PHARMA
TELADOC HEALTH
TETRA TECHNOLOGIES

TRANSCAT

UFP TECHNOLOGIES

UNIVERSAL LOGIS HLDGS

VAALCO ENERGY
VENTYX BIOSCIENCES
VERTEX ENERGY
VITA COCO

VORNADO REALTY TRUST

VSE CORP
WAYFAIR A
WESTROCK COFFEE
XPONENTIAL FITNESS A

RIGEL PHARMACEUTICALS

RITE AID CORP

ROCKLEY PHOTONICS HLDGS

ROOT A

RUSH STREET INTERACT A

SELECTQUOTE

TACTILE SYSTEMS TECH

THREDUP A TRUECAR

UNIVERSAL ELECTRONICS

UPLAND SOFTWARE

VAXART

VBI VACCINES (US)
VELODYNE LIDAR
VERITONE

VINCO VENTURES

VINTAGE WINE ESTATES

VOLTA A WEBER A

WHEELS UP EXPERIENCE A

WILLDAN GROUP
WM TECHNOLOGY A
WOLFSPEED
ZIMVIE

MSCI CANADA INDEX

Additions

BAUSCH HEALTH COMPANIES

BLACKBERRY

CES ENERGY SOLN CORP GLOBAL ATOMIC CORP LIGHTSPEED COMMERCE SV

SHAWCOR A

Deletions

AIRBOSS OF AMERICA CORP

ARGONAUT GOLD CANACOL ENERGY

COPPER MOUNTAIN MINING DESCARTES SYSTEMS GROUP ELEMENT FLEET MANAGEMENT ENTHUSIAST GAMING HLDGS

HLS THERAPEUTICS MIND MEDICINE PYROGENESIS CANADA REAL MATTERS

TUROUOISE HILL RES

MSCI MEXICO INDEX

Additions

SITIOS LATINOAMERICA B1

Deletions

BANCO DEL BAJIO O

MSCI CHILE INDEX

Additions
GRUPO SECURITY

Deletions None

MSCI BRAZIL INDEX

Additions

CURY CONSTR E INCORP ON MILLS LOCACAO SERV ON ORIZON VALORIZACAO ON

USIMINAS PN A VULCABRAS AZALEIA ON Deletions

AERIS IND COM DE EQUP ON

LOJAS QUERO-QUERO

MELIUZ ON

SENDAS DISTRIBUIDORA ON

MSCI PERU INDEX

Additions None Deletions

INTERCORP FINANCIAL (US)

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