

Geneva, November 13, 2018

MSCI GLOBAL MICRO CAP INDEXES

The following are changes in constituents for the MSCI Global Micro Cap Indexes which will take place as of the close of November 30, 2018.

SUMMARY PER COUNTRY:

Country	Nb of Securities Added	Nb of Securities Deleted
AUSTRALIA	23	20
BELGIUM	3	2
SWITZERLAND	3	3
DENMARK	1	0
SPAIN	3	1
FRANCE	13	2
GERMANY	17	4
NETHERLANDS	2	3
ITALY	10	1
JAPAN	33	35
HONG KONG	34	24
SINGAPORE	10	8
NORWAY	5	2
AUSTRIA	1	0
USA	77	57
CANADA	18	9
SWEDEN	23	7
UNITED KINGDOM	30	21
FINLAND	6	1
NEW ZEALAND	4	0
IRELAND	1	0
ISRAEL	6	5

MSCI AUSTRALIA INDEX

Additions

AINSWORTH GAME TECH
ASALEO CARE
AUSTAL
BELLEVUE GOLD
BIOTRON
CLEAN TEQ HOLDINGS
CLEARVIEW WEALTH
GALILEE ENERGY
GOLD ROAD RESOURCES
HIGHLANDS PACIFIC
IMAGE RESOURCES NL
INTEGRATED GREEN ENERGY
JAPARA HEALTHCARE
JUPITER MINES
KAROON GAS AUSTRALIA
NEW ENERGY SOLAR
NICKEL MINES
PALADIN ENERGY
PEET
PEOPLE INFRASTRUCTURE
RCR TOMLINSON
TEMPLE & WEBSTER GROUP
VITALHARVEST FREEHOLD

Deletions

ADHERIUM
AFRICAN ENERGY RES CDI
AMANI GOLD
BRAVURA SOLUTIONS
CENTURIA METROPOLITAN
CLINUVEL PHARMACEUTICALS
COOPER ENERGY
COVATA
CRUSADER RESOURCES
FAR
HELLOWORLD TRAVEL
HUB24
ICON ENERGY
LOGICAMMS
NAVIGATOR GLOBAL INV
NRW HOLDINGS
PROPERTYLINK GROUP
RURAL FUNDS GROUP
SENEX ENERGY
WAGNERS HOLDING CO

MSCI BELGIUM INDEX

Additions

EVS BROADCAST EQUIPMENT
FNG (BE)
NYRSTAR

Deletions

QUEST FOR GROWTH
XIOR STUDENT HOUSING

MSCI SWITZERLAND INDEX

Additions
BLACKSTONE RESOURCES
KLINGELNBERG
POLYPHOR

Deletions
CASSIOPEA
CPH CHEMIE & PAPIER HLDG
PLAZZA IMMOBILIEN A

MSCI DENMARK INDEX

Additions
SOLAR HOLDING B

Deletions
None

MSCI SPAIN INDEX

Additions
ADL BIONATUR SOLUTIONS
GREENERGY RENOVABLES
PHARMAMAR

Deletions
SOLARIA ENER Y MEDIO AMB

MSCI FRANCE INDEX

Additions
2CRSI
ADVICENNE
AXWAY SOFTWARE
CEGEDIM
COGELEC
DONTNOD ENTERTAINMENT
MEDIAWAN
NAVYA
PATRIMOINE ET COMMERCE
PIERRE & VACANCES
PLASTIVALOIRE
SRP GROUPE
TESSI

Deletions
GENOMIC VISION
SAFE ORTHOPAEDICS

MSCI GERMANY INDEX

Additions
AKASOL
AVES ONE
BAUER
CREDITSHELF
CROPENERGIES
CYAN AG
EXCEET GROUP
FERRATUM
GERRY WEBER INTL
GODEWIND IMMOBILIEN
HAWESKO HOLDING
NAGA GROUP (THE)
NFON
STS GROUP
VA-Q-TEC
VAPIANO
ZEAL NETWORK

Deletions
LOGWIN
MENSCH&MASCHINE SOFTWARE
WILD BUNCH
ZHONGDE WASTE TECH

MSCI NETHERLANDS INDEX

Additions
ALFEN
EUROCASTLE INVESTMENT

Deletions
FNG
PROQR THERAPEUTICS
YATRA CAPITAL

MSCI ITALY INDEX

Additions
CELLULARLINE
CFT
HEALTH ITALIA
K.R. ENERGY
PRIMA INDUSTRIE
SAES GETTERS
SAES GETTERS RNC
SAFILO
SOGEFI
SOMEK

Deletions
STEFANEL

MSCI JAPAN INDEX

Additions

AI
ALBERT
FDK CORP
FIBERGATE
FUKUI BANK
IPS INC
JMC CORPORATION
JTEC
KNC LABORATORIES
KOA SHOJI HOLDINGS
KOKUSAI PULP & PAPER
LAOX CO
MBS
MINO CERAMIC
MITSUUROKO GRP HLDGS CO
MORTGAGE SERVICE JAPAN
MT GENEX
NISSO
PRORED PARTNERS
PUEQU
QB NET HOLDINGS
SEPTENI HOLDINGS CO
SFP HOLDINGS CO
SHINWA
SMK CORP
SOU
SPRIX
SYSTEM INTEGRATOR CORP
TAIYO KOKI
TAKARA LEBEN REIT
TERILOGY CO
TRADE WORKS
ZUU

Deletions

ADVENTURE
ARGO GRAPHICS
BENGO4.COM
CHIMNEY
EGUARANTEE
FTGROUP CO
GAKKEN HOLDINGS CO
GENKI SUSHI CO
JAPAN ELEVATOR SERVICE
JAPAN MEAT
KROSAKI HARIMA CORP
LITTLE EARTH CORP CO
MATSUMOTO YUSHI-SEIYAKU
MEIKO ELECTRONICS CO
MIE KOTSU GRP HLDGS (JT)
MIRAI
NAFCO CO
NAKANO REFRIGERATORS CO
NIHON TOKUSHU TORYO CO
OISIX RA DAICHI
OPT HOLDING
OPTIM
RENAISSANCE
RENOVA
RISO KYOIKU CO
S LINE
SBS CO
SEC CARBON
SIA REIT INC
SOFTBANK TECHNOLOGY CORP
SOFTWARE SERVICE
SOURCENEXT CORP
UUM
VALUECOMMERCE CO
VISION

MSCI HONG KONG INDEX

Additions

AMUSE GROUP HOLDING
ASIA TELEVISION HOLDINGS
BASATROPHY GROUP HLDGS
BIRMINGHAM SPORTS HLDGS
CHUANG'S CHINA INV
CNQC INTERNATIONAL HLDGS
FREEMAN FINTECH CORP
GEOTECH HOLDING
HENGDELI HOLDINGS
HONGDA FINANCIAL (CN)
HUARONG INTERNATIONAL
HUAYI TENCENT ENTMT (HK)
JIU RONG HOLDINGS
KAISA HEALTH GROUP (CN)
MADISON HOLDINGS GROUP
NAMESON HOLDINGS
NEW SILKROAD CULTURAL
O NET TECHNOLOGIES (HK)
OURGAME INTL HLDGS
PANTRONICS HOLDINGS
PRECISION TSUGAMI CHINA
PROSPEROUS INDUSTRIAL
SANAI HEALTH IND GRP CO
SINO GOLF HOLDINGS (CN)
SUPERACTIVE GROUP CO
SUPERROBOTICS
TAI UNITED HOLDINGS
TSIT WING INTERNATIONAL
VESTATE GROUP HLDGS (CN)
WAI CHUN GROUP HOLDINGS
WIN WIN WAY CONST HLDGS
WT GROUP HOLDINGS

Deletions

ASIASEC PROPERTIES
BINGO GROUP HOLDINGS
CHINA ENERGY DEVELOPMENT
CHINA EVER GRAND FINL
CHINA HANYA GROUP HLDGS
CHINA TRENDS HLDGS
ETERNITY INVESTMENT
FDG KINETIC (HK)
GREAT WALL BELT & ROAD
HONG KONG FINANCE INVEST
HUA LONG JIN KONG CO
HUARONG INVESTMENT STOCK
INTL STANDARD RESOURCES
KVB KUNLUN FINL GRP
LUEN THAI HOLDINGS
MAN SANG INTERNATIONAL
MASTER GLORY GROUP
MILLION STARS HOLDINGS
POLYTEC ASSET HOLDINGS
PROSPERITY INV HOLDINGS
ROYAL CENTURY RESOURCES
UNION MEDICAL HEALTHCARE
ZH INTERNATIONAL HLDGS
ZHI CHENG HOLDINGS

XIN POINT HLDGS
ZHIDAO INTL (CN)

MSCI SINGAPORE INDEX

Additions

CHINA SUNSINE CHEMICAL
HONG FOK CORP
HYFLUX
KEPPEL KBS US REIT
KOUFU GROUP
PROPNEX
QAF
ROXY-PACIFIC HLDGS
SLB DEVELOPMENT
STRACO CORPORATION

Deletions

ARTIVISION TECHNOLOGIES
ASIAPHOS LTD
ASIATRavel.COM HOLDINGS
DELONG HOLDINGS
HOR KEW CORP
KINGBOARD COPPER FOIL
SEROJA INVESTMENTS
THOMSON MEDICAL GROUP

MSCI NORWAY INDEX

Additions

FJORDKRAFT HOLDING
HUNTER GROUP
MPC CONTAINER SHIPS
OTELLO CORPORATION
REC SILICON

Deletions

HEXAGON COMPOSITES
NEL

MSCI AUSTRIA INDEX

Additions

POLYTEC HOLDING

Deletions

None

MSCI USA INDEX

Additions

3PEA INTERNATIONAL
ACHAOGEN
ACM RESEARCH A
AERPIO PHARMACEUTICALS
AQUESTIVE THERAPETC
ARIDIS PHARMACEUTICALS
BAYCOM
BIOLIFE SOLUTIONS
BIOXCEL THERAPEUTICS
BORQS TECHNOLOGIES
BRIDGEWATER BANCSHARES
BRISTOW GROUP
BUSINESS FIRST BANCSHS
CATASYS
CHAMPIONS ONCOLOGY
CHARAH SOLUTIONS
COASTAL FINANCIAL
CONSTELLATION PHARMA
CUMULUS MEDIA A
DOMO B
ELECTROCORE
ELOXX PHARMACEUTICALS
ENDOLOGIX
EVOFEM BIOSCIENCES
FINJAN HOLDINGS
FIRST CHOICE BANCORP
FIRST WESTERN FINANCIAL
FNCB BANCORP
FOAMIX PHARMA (US)
FORTERRA (US)
GOOSEHEAD INSURANCE A
HELIUS MEDICAL A (US)
HOVNANIAN ENTERPRISES A
I3 VERTICALS A
INFRA AND ENERGY ALTNVS
INTELLIGENT SYSTEMS
INTL MONEY EXPRESS
ITERUM THERAPEUTICS
JOUNCE THERAPEUTICS
LANNETT CO
LEVEL ONE BANCORP

Deletions

ALLIQUA BIOMEDICAL
AMERICA'S CAR-MART
AMYRIS
ANTARES PHARMA
ARQULE
BIO PATH HOLDINGS
BIOSPECIFICS TECH
BOSTON OMAHA A
CARE.COM
CAREDX
CHEROKEE
CLEAN ENERGY FUELS
COMSTOCK RESOURCES
CONTAINER STORE GROUP
CONTRAVIR PHARMA
CYTORI THERAPEUTICS
DMC GLOBAL
EHEALTH
ENVIROSTAR
FIRST BANCSHARES (THE)
FUNKO A
FUSION CONNECT
HARMONIC
HEALTH INSURANCE INNOV
IDEAL POWER
MARINE PRODUCTS CORP
MCBC HOLDINGS
MR COOPER GROUP
NII HOLDINGS
NOODLES & CO A
NORTHERN OIL AND GAS
PENNYMAC FINL SERVICE A
PETIQ A
PRIMO WATER CORP
RA PHARMACEUTICALS
ROSETTA STONE
SCPHARMACEUTICALS
SENSEONICS HOLDINGS INC
SIENRA
SKYLINE CHAMPION CORP
SOLID BIOSCIENCES INC

LIQTECH INTERNATIONAL
LIQUIDIA TECHNOLOGIES
LOVESAC
MAGENTA THERAPEUTICS
MARKER THERAPEUTICS
MDC PARTNERS A
MEDALLION FINANCIAL CORP
MESA AIR GROUP
MIDSTATES PETROLEUM
NABRIVA THERAPEUTICS
NEON THERAPEUTICS
NEURONETICS
ODONATE THERAPEUTICS
OP BANCORP
OPTIMIZERX
ORGENESIS
OSIRIS THERAPEUTICS
PROVENTION BIO
REPLIMUNE GROUP
RIVERVIEW FINANCIAL
RUMBLEON B
SELECT INTERIOR A
SHARPSRING
SIGA TECHNOLOGIES
SPARK ENERGY A
SPIRIT OF TEXAS BANCSHS
STANDARD FINANCIAL
STRATA SKIN SCIENCES
SURFACE ONCOLOGY
SVCSOURCE INTERNATIONAL
TRANSLATE BIO
UNUM THERAPEUTICS
VERRICA PHARMACEUTICALS
WELLESLEY BANCORP
WINDSTREAM HOLDINGS (NEW)
XERIS PHARMACEUTICALS

SONIC FOUNDRY
SONOMA PHARMACEUTICALS
STEMLINE THERAPEUTICS
SUNWORKS
SYNTHETIC BIOLOGICS
TANDEM DIABETES CARE
TILLY'S INC A
TITAN PHARMACEUTICALS
TONIX PHARMACEUTICALS
TRANSENTERIX
TURNING POINT BRANDS
VERICEL CORP
VIKING THERAPEUTICS
VISHAY PRECISION GROUP
VIVINT SOLAR
XPRESSPA GROUP

MSCI CANADA INDEX

Additions
ALMONTY INDUSTRIES
AUTOCANADA
BONAVISTA ENERGY
CREW ENERGY
GLUSKIN SHEFF & ASSOC SV
GOLDMINING
GRAN COLOMBIA GOLD CORP
IPL PLASTICS
MAYA GOLD & SILVER
MINTO APARTMENT REIT
PAINTED PONY ENERGY
PHOTON CONTROL
SENVEST CAPITAL INC
STEP ENERGY SERVICES
STORNOWAY DIAMOND
TWC ENTERPRISES
VIEMED HEALTHCARE
ZYMEWORKS

Deletions

AURA MINERALS
CONDOR PETROLEUM
INTELLIPHARMACEUTICS INT
LOGISTEC CORP B
MASON RESOURCES CORP
NEW MILLENNIUM IRON CORP
SUMMIT INDUSTRIAL REIT
TERVITA
ZARGON OIL & GAS

MSCI SWEDEN INDEX

Additions
BERGS TIMBER B
BETTER COLLECTIVE
BYGGHEMMA GROUP FIRST
BYGGMAX GROUP
CALLIDITAS THERAPEUTICS
CANTARGIA
CIBUS NORDIC REAL ESTATE
GREEN LANDSCAPING HLDG A
IRRAS
ITAB SHOP CONCEPT
LYKO GROUP A
MAHA ENERGY A
MIDSUMMER

Deletions

BIOARCTIC B
CELLAVISION AB
CLX COMMUNICATIONS
FORTNOX
KAMBI GROUP
KARO PHARMA
OEM INTERNATIONAL B

MINESTO
NCAB GROUP AB
ORTOMA B
PROJEKTENGAGEMANG B
RAKETECH GROUP HOLDING
RIPASSO ENERGY
SIVERS IMA HOLDING
STARBREEZE B
SWEDENCARE
VIKING SUPPLY SHIPS B

MSCI UNITED KINGDOM INDEX

Additions

ALLIED MINDS
CAKE BOX HOLDINGS
CHAARAT GOLD HOLDINGS
CLIPPER LOGISTICS
CODEMASTERS GROUP HLDGS
DEBENHAMS
DEVRO
ECO ANIMAL HEALTH GROUP
FRANCHISE BRANDS
GRESHAM HOUSE
HOSTELWORLD GROUP
IMPELLAM GROUP
JADESTONE ENERGY
KNIGHTS GROUP HOLDINGS
NUCLEUS FINANCIAL GROUP
RA INTERNATIONAL GROUP
ROSENBLATT GROUP
SAN LEON ENERGY
SENSYNE HEALTH
SIMPLYBIZ GROUP (THE)
TEAM17 GROUP
TEKMAR GROUP
THEWORKS.CO.UK
TIME OUT GROUP
TRIPLE POINT SOCIAL HSG
VOLUTION GROUP
XPEDIATOR
XPS PENSIONS GROUP
YELLOW CAKE
ZOO DIGITAL GROUP

Deletions

CARETECH HOLDINGS
DIVERSIFIED GAS & OIL
DRAPER ESPRIT
FUTURE
GOOCH & HOUSEGO
GROUND RENTS INCOME FND
GYM GROUP
HARDY OIL & GAS
HARWORTH GROUP
HUNTSWORTH
HYDRODEC GROUP
IG DESIGN GROUP
JOHNSTON PRESS
MEARS GROUP
MYSALE GROUP
NEXT FIFTEEN COMMU
REAL GOOD FOOD
SDL
TARGET HEALTHCARE REIT
TLA WORLDWIDE
VP

MSCI FINLAND INDEX

Additions

ADMICOM
ALTIA
ATRIA
BASWARE
STOCKMANN A
STOCKMANN B

Deletions

POYRY

MSCI NEW ZEALAND INDEX

Additions

BRISCOE GROUP
HEARTLAND BANK
PROPERTY FOR INDUSTRY
VITAL HEALTHCARE PPTY

Deletions

None

MSCI IRELAND INDEX

Additions

FBD HOLDINGS

Deletions

None

MSCI ISRAEL INDEX

Additions

B COMMUNICATIONS
CLAL IND AND BEVERAGES
GLOBRANDS GROUP
P.C.B TECHNOLOGIES

Deletions

A.D.O GROUP
FOAMIX PHARMACEUTICALS
GILAT SATELLITE NETWORK
HILAN

PAYTON INDUSTRIES
PAYTON PLANAR MAGNETICS

MAYTRONICS

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