

Geneva, May 13, 2019

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 May 28, 2019.

SUMMARY PER COUNTRY:

Country	Nb of Securities Added	Nb of Securities Deleted
AUSTRALIA	23	25
BELGIUM	2	1
SWITZERLAND	0	3
DENMARK	2	3
SPAIN	2	3
FRANCE	7	10
GERMANY	11	6
NETHERLANDS	0	1
ITALY	12	6
JAPAN	64	21
HONG KONG	19	8
SINGAPORE	7	13
NORWAY	5	3
AUSTRIA	2	0
USA	98	42
CANADA	19	20
SWEDEN	10	13
UNITED KINGDOM	24	13
FINLAND	6	3
NEW ZEALAND	1	5
PORTUGAL	0	1
ISRAEL	7	11

MSCI AUSTRALIA INDEX

Additions

ADVANCE NANOTEK
ALTURA MINING
ATOMOS
BIDENERGY
CATALYST METALS
CML GROUP
CONSOLIDATED OPERATIONS
DUBBER CORP
ECLIPX GROUP
EVANS DIXON
FAR
GALENA MINING
HELLOWORLD TRAVEL
MITCHELL SERVICES
NETLINKZ
PARADIGM BIOPHARMA
PIEDMONT LITHIUM
PROBIOTEC
RCR TOMLINSON
REDCAPE HOTEL GROUP
SALT LAKE POTASH
STATE GAS
VANGO MINING

Deletions

ALDERAN RESOURCES
AMA GROUP
ARENA REIT
AUSTAL
AVITA MEDICAL
CHAMPION IRON
DICKER DATA
ENERGY ACTION
FACTOR THERAPEUTICS
FREEDOM INSURANCE GROUP
GOLD ROAD RESOURCES
INGENIA COMMUNITIES GRP
JUMBO INTERACTIVE
JUPITER MINES
MEGAPORT
MILLENNIUM SERVICES GRP
MOUNT GIBSON IRON
MZI RESOURCES
NEARMAP
ORCODA
REY RESOURCES
SERVICE STREAM
SILVER LAKE RESOURCES
SUPPLY NETWORK
ZIP CO

MSCI BELGIUM INDEX

Additions

FLORIDIENNE
GREENYARD

Deletions

CARE PROPERTY INVEST

MSCI SWITZERLAND INDEX

Additions

None

Deletions

AIROPACK TECHNOLOGY GRP
COLTENE HOLDING
VON ROLL HOLDING INHABER

MSCI DENMARK INDEX

Additions

DEN JYSKE SPAREKASSE
PRIME OFFICE

Deletions

SANTA FE GROUP
VELOXIS PHARMACEUTICALS
VESTJYSK BANK

MSCI SPAIN INDEX

Additions

ARIMA REAL ESTATE SOCIMI
SOLARPACK CORP TECH

Deletions

INKEMIA IUCT GROUP
GRUPO EMPRESARIAL SAN JO
PHARMAMAR

MSCI FRANCE INDEX

Additions

BOURBON CORPORATION
GENKYOTEX
KALRAY
KEYYO
PAREF
SERGE FERRARI GROUP
UNION FIN DE FRANCE

Deletions

ADUX
CA NORD DE FRANCE CCI
CERENIS THERAPEUTICS
ESKER
HYBRIGENICS
IMMOBILIERE DASSAULT
OFFICIIS PROPERTIES
PCAS
SEQUANA
SES IMAGOTAG

MSCI GERMANY INDEX

Additions

ALZCHEM GROUP
BLOCKESCENCE
DEUTSCHE IND GRUNDBESITZ
GFT TECHNOLOGIES
HOME24
NEXUS
SERVICEWARE
SLM SOLUTIONS GROUP
TELE COLUMBUS
TTL BETEILIGUNGS UND
WESTWING GROUP

Deletions

ATOSS SOFTWARE
CROPENERGIES
CURASAN
DEUTSCHE KONSUM
ECKERT & ZIEGLER
GODEWIND IMMOBILIEN

MSCI NETHERLANDS INDEX

Additions

None

Deletions

EUROCASTLE INVESTMENT

MSCI ITALY INDEX

Additions

ABITARE IN
BANCA CARIGE
DIGITAL VALUE
GAROFALO HEALTH CARE
GPI
IDEAMI
NET INSURANCE
NOTORIOUS PICTURES
PIOVAN
TAS TECNOLOGIA AVANZATA
TECHEDGE
VALSOIA

Deletions

CALTAGIRONE EDITORE
IMVEST
M&C
SAES GETTERS
SAES GETTERS RNC
TINEXTA

MSCI JAPAN INDEX

Additions

ADVENTURE
AKEBONO BRAKE INDUSTRY

Deletions

ANGES
CHANGE

AMAZIA
 AND FACTORY
 AOI ELECTRONIC CO
 ATLED
 AUTONOMOUS CTRL SYS LABS
 BOUTIQUES
 BPLATS
 CHIBA KOGYO BANK (THE)
 CLEANUP CORP
 DAIICHI
 DELTA FLY PHARMA
 ECOMOTT
 ESCON JAPAN REIT INV
 ESOL
 FFRI
 FIELDS CORP
 FRONTIER INTERNATIONAL
 FRONTIER MANAGEMENT
 FTGROUP CO
 FUDO TETRA CORP
 GA TECHNOLOGIES
 GIFT
 HATENA
 IMPACT HD
 IPET INSURANCE
 IRRC
 ITOCHU ADVANCE LOGISTICS
 ITOKI CORP
 IX KNOWLEDGE
 JIMOTO HOLDINGS
 KADOYA SESAME MILLS
 KIKUKAWA ENTERPRISE
 LOGIZARD
 MANAGEMENT SOLUTIONS
 MITSUBISHI STEEL MFG CO
 MORNINGSTAR JAPAN KK
 NAMURA SHIPBUILDING CO
 NARUMIYA INTERNATIONAL
 PC DEPOT CORP
 PIALA
 PORT
 REMIXPOINT
 RICKSOFT
 RYOYU SYSTEMS CO
 SANDEN HOLDINGS CORP
 SAPPORO CLINICAL LAB
 SBI INSURANCE GROUP
 SHIKIGAKU
 SHINOKEN GROUP CO
 SINOPS
 SMAREGI
 TABIKOBO
 TATERU
 TEAMSPIRIT
 TECNOS DATA SCIENCE ENGR
 TOCHIGI BANK
 TOYO ENGINEERING CORP
 TOYO KANETSU K.K
 UNITIKA
 VALUENEX JAPAN
 VERITE CO
 WEALTH MANAGEMENT

CYBOZU
 ELAN CORP
 EM SYSTEMS CO
 ENIGMO
 FUJIO FOOD SYSTEM CO
 GMO CLOUD KK
 JAPAN BEST RESCUE SYSTEM
 KAMAKURA SHINSHO
 KAWASAKI THERMAL ENGR
 KEIHANSHIN BUILDING CO
 KOURAKUEN HOLDINGS CORP
 MATSUO ELECTRIC CO
 MITSUUROKO GRP HLDGS CO
 ORO
 RORZE CORP
 SAMTY RESIDENTIAL INV
 STAR ASIA INVESTMENT
 TAKI CHEMICAL CO
 WELBE

MSCI HONG KONG INDEX
 Additions
 APTORUM GROUP A
 ASIASEC PROPERTIES
 AUSTAR LIFESCIENCES
 BEST MART 360 HLDGS
 BOSA TECHNOLOGY HLDGS
 CHINA GEM HOLDINGS (CN)
 CHINA TONGHAI INTL FINL
 D&G TECHNOLOGY HLDG
 GRAND TALENTS GRP HLDGS

Deletions
 AID LIFE SCIENCE HLDGS
 ECARGO HOLDINGS CDI
 ENERCHINA HOLDINGS
 GAMEONE HOLDINGS
 GREAT HARVEST MAETA GRP
 MEGA EXPO HOLDINGS
 MEILLEURE HEALTH INTL
 WAI KEE HOLDINGS

GREAT WALL PAN ASIA
HING MING HOLDINGS
HK ASIA HOLDINGS
HONG KONG FINANCE INVEST
LH GROUP
SAGE INTERNATIONAL GROUP
SHING CHI HOLDINGS
SUN CHEONG CREATIVE DEV
WAC HOLDINGS
XIN YUAN ENTERPRISES GRP

MSCI SINGAPORE INDEX

Additions

ASIAN PAY TELEVISION
BRC ASIA
DELONG HOLDINGS
EZION HOLDINGS
HATTEN LAND
NOBLE GROUP
SAMURAI 2K AEROSOL

Deletions

CWX GLOBAL
GLOBAL INVACOM GROUP
HONG FOK CORP
KEPPEL KBS US REIT
MOYA HOLDINGS ASIA
PARKSON RETAIL ASIA
POLARIS
QT VASCULAR
REGAL INTERNATIONAL GRP
SPINDEX INDUSTRIES
STRACO CORPORATION
TYE SOON
ZHONGMIN BAIHUI RETAIL

MSCI NORWAY INDEX

Additions

BELSHIPS
GAMING INNOVATION GROUP
GC RIEBER SHIPPING
RAK PETROLEUM A
SPAREBANK 1 TELEMAR

Deletions

DOLPHIN DRILLING
FJORDKRAFT HOLDING
SIEM OFFSHORE

MSCI AUSTRIA INDEX

Additions

MARINOMED BIOTECH
WOLFORD

Deletions

None

MSCI USA INDEX

Additions

ACLARIS THERAPEUTICS
ADAMAS PHARMACEUTICALS
AGEX THERAPEUTICS
AGROFRESH SOLUTIONS
ALKALINE WATER COMPANY
ALTUS MIDSTREAM A
AMERICAN RENAL HOLDINGS
AMERICAN RESOURCES A
ANIXA BIOSCIENCES
APTINYX
ASCENA RETAIL GROUP
AVALON GLOBOCARE
AVEDRO
BANK FIRST NATIONAL
BANK7
BARNES & NOBLE EDUCATION
BASIC ENERGY SERVICES
BELLICUM PHARMACEUTICALS
BIOSIG TECHNOLOGIES
BIOTIME
BLINK CHARGING
BLUE APRON HLDGS A
CAPITAL BANCORP
CAPITAL SENIOR LIVING
CBL & ASSOCIATES PPTYS
CHECKPOINT THERAPEUTICS
COCRYSTAL PHARMA
CODA OCTOPUS GROUP
CONCERT PHARMACEUTICALS

Deletions

AGILYSYS
ALITHYA GROUP A SV
ARES COMMERCIAL REAL EST
ASCENT CAPITAL GROUP A
AXSOME THERAPEUTICS
CALYXT
CATALYST PHARMACEUTICAL
CENTURY BANCORP A
COHEN & COMPANY
COREENERGY INFRASTRUCTURE
DOMO B
DUCOMMUN
ENERGY FOCUS
ENPHASE ENERGY
EVOLUS
FLEX PHARMA
FLUENT
FLUIDIGM
INNOVATIVE INDL PPTYS A
KALVISTA PHARMACEUTICALS
KONA GRILL
MAGENTA THERAPEUTICS
MITEK SYSTEMS
NANOSTRING TECHNOLOGIES
NANTKWEST
NEURALSTEM
ODONATE THERAPEUTICS
OHR PHARMACEUTICAL
ORTHOPEDIATRICS

CUTERA
 DEAN FOODS CORP
 DOVA PHARMA
 EMCLAIRE FINANCIAL CORP
 EMPIRE RESORTS
 ENOCHIAN BIOSCIENCES
 ENTASIS THERAPEUTICS
 ENVIROSTAR
 EP ENERGY CORP
 EQUILLIUM
 ETON PHARMACEUTICALS
 EYENOVIA
 FALCON MINERALS A
 FFBW
 FVCBANKCORP
 GNC HOLDINGS A
 GP STRATEGIES CORP
 GREENPRO CAPITAL
 GRITSTONE ONCOLOGY
 HALCON RESOURCES
 HARPOON THERAPEUTICS
 HEALTH INSURANCE INNOV A
 HF FOODS GROUP
 HILL INTL
 INNERWORKINGS
 INVACARE CORP
 JERASH HOLDINGS
 KEZAR LIFE SCIENCES
 KODIAK SCIENCES
 LA JOLLA PHARMACEUTICAL
 LEGACY HOUSING
 LOGICBIO THERAPEUTICS
 LSC COMMUNICATIONS
 MAXAR TECHNOLOGIES(US)
 MILLENDO THERAPEUTICS
 MONEYGRAM INTERNATIONAL
 MOTUS GI HOLDINGS
 NATURAL GAS SERVICES GRP
 NAUTILUS
 NCS MULTISTAGE HOLDINGS
 NET 1 UEPS TECHNOLOGIES
 NEW FORTRESS ENERGY A
 NII HOLDINGS
 NRC GROUP HOLDINGS
 ONCOCYTE
 OWENS & MINOR
 PACIFIC CITY FINANCIAL
 PARATEK PHARMACEUTICALS
 PHASEBIO PHARMACEUTICALS
 PHUNWARE
 PLYMOUTH INDL REIT
 POTBELLY
 RHINEBECK BANCORP
 RICEBRAN TECHNOLOGIES
 RIOT BLOCKCHAIN
 SI BONE INC
 SIENTRA
 SUPERIOR INDUSTRIES
 SUTRO BIOPHARMA
 SYNCHRONOSS TECHNOLOGIES
 TCR2 THERAPEUTICS
 TILLY'S INC A
 ULTRA PETROLEUM
 UNITY BIOTECHNOLOGY
 UROVANT SCIENCES
 US XPRESS ENTERPRISES A
 VAPOTHERM
 WRAP TECHNOLOGIES
 ZYNEX

OSIRIS THERAPEUTICS
 PRESBIA
 PROTEON THERAPEUTICS
 QUANTERIX
 QUOTIENT
 REVOLUTION LIGHTING TECH
 SHOTSPOTTER
 SOLARIS OILFIELD INFRA A
 SYNTHESIS ENERGY SYSTEMS
 TRANSLATE BIO
 TWIN RIVER WORLDWIDE
 VERACYTE
 WILLDAN GROUP

MSCI CANADA INDEX
 Additions
 ALITHYA GROUP A SV (CA)
 ALTAGAS CANADA

Deletions
 AFRICA OIL CORP
 AIMIA

ANDREW PELLER A
 BONTERRA ENERGY
 CARDIOL THERAPEUTICS
 CORO MINING CORP
 GREENBROOK TMS
 GUYANA GOLDFIELDS
 HLS THERAPEUTICS
 LOGISTEC CORP B
 MOUNTAIN PROV DIAMONDS
 NEMASKA LITHIUM
 OBSIDIAN ENERGY
 ORLA MINING
 PENGROWTH ENERGY
 SPARK POWER GROUP
 SUNOPTA
 SUPREME CANNABIS CO
 WALLBRIDGE MINING

CALLIDUS CAPITAL CORP
 CARIBBEAN UTILITIES A
 DUNDEE PRECIOUS METALS
 ENTERPRISE GROUP
 EXACTEARTH
 FORTRESS GLOBAL ENT
 GOEASY
 GOLDEN QUEEN MINING
 HEROUX-DEVTEK
 INTL PETROLEUM CORP
 LEVON RESOURCES (NEW)
 MORGUARD NORTH AMER RESI
 NICKEL CREEK PLATINUM
 PINETREE CAPITAL
 RESVERLOGIX
 SOLIUM CAPITAL
 VILLAGE FARMS INTL
 ZYMEWORKS

MSCI SWEDEN INDEX

Additions
 AXICHEM A
 ELANDERS
 GENOVIS
 I TECH
 LIME TECHNOLOGIES
 OVZON
 PIEZOMOTOR UPPSALA B
 SMART EYE
 TRACTION B
 VICORE PHARMA HOLDING

Deletions
 ACANDO B
 ADDNODE GROUP B
 BOOZT
 BYGGHEMMA GROUP FIRST
 CLIMEON B
 COREM PROPERTY GROUP AB
 COREM PROPERTY GROUP B
 DUROC B
 FINGERPRINT CARDS B
 INSTALCO INTRESSETER
 NEDERMAN HOLDING AB
 OSCAR PROPERTIES HOLDING
 XVIVO PERFUSION

MSCI UNITED KINGDOM INDEX

Additions
 ALTITUDE GROUP
 ANEXO GROUP
 BIGBLU BROADBAND
 CAPITAL & REGIONAL
 ELECOFT
 FILTA GROUP HOLDINGS
 GREATLAND GOLD
 GYM GROUP
 HUNTSWORTH
 MAJESTIC WINE
 MANOLETE PARTNERS
 MEARS GROUP
 NOSTRUM OIL & GAS
 OCEAN OUTDOOR
 PETRA DIAMONDS
 RAMSDENS HOLDINGS
 ROCKROSE ENERGY
 SCISYS
 SECURE TRUST BANK
 SIGMAROC
 SIMEC ATLANTIS ENERGY
 SOUND ENERGY
 TRANS SIBERIAN GOLD
 VP

Deletions
 AB DYNAMICS
 ANGLO PACIFIC GROUP
 HOLLYWOOD BOWL GROUP
 IDE GROUP HOLDINGS
 LXI REIT
 M&C SAATCHI
 SERICA ENERGY
 TARSUS GROUP
 TASTY
 TEAM17 GROUP
 THORPE (F W)
 VELTYCO GROUP
 VOLUTION GROUP

MSCI FINLAND INDEX

Additions
 HARVIA
 KAMUX
 KESKISUOMALAINEN
 OMA SAASTOPANKKI
 TITANIUM
 UNITED BANKERS A

Deletions
 AFARAK GROUP
 REVENIO GROUP OYJ
 ROVIO ENTERTAINMENT

MSCI NEW ZEALAND INDEX

Additions

SEEKA

Deletions

BURGER FUEL WORLDWIDE
HEARTLAND GROUP HOLDINGS
PROPERTY FOR INDUSTRY
VISTA GROUP INTL
VITAL HEALTHCARE PPTY

MSCI PORTUGAL INDEX

Additions

None

Deletions

SPORT LISBOA E BENFICA

MSCI ISRAEL INDEX

Additions

ALLOT (USD)
AUDIOCODES (USD)
AYALON HOLDINGS
ELECTREON WIRELESS
INTERCURE
OPAL BALANCE INV
SAPIR CORP

Deletions

ALLOT
ASHTROM GROUP
ATTUNITY (USD)
AUDIOCODES
ELBIT IMAGING
ENERGIX RENEWABLE
HADERA PAPER
MATOMY MEDIA GROUP (IL)
PROPERTY & BUILDING CORP
REKAH PHARMACEUTICAL
VILLAR INTERNATIONAL

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