Geneva, November 11, 2021

#### 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, 2021.

#### SUMMARY PER COUNTRY:

	Nb of	Nb of
	Securities	Securities
Country	Added	Deleted
AUSTRALIA	42	17
BELGIUM	3	3
SWITZERLAND	3	0
DENMARK	3	2
SPAIN	5	1
FRANCE	6	3
GERMANY	6	10
NETHERLANDS	3	0
ITALY	8	6
JAPAN	101	6
HONG KONG	19	18
NORWAY	18	5
USA	120	42
CANADA	22	15
SWEDEN	29	10
UNITED KINGDOM	33	16
FINLAND	7	1
NEW ZEALAND	1	1
IRELAND	0	1
ISRAEL	24	3
SINGAPORE	7	3

MSCI AUSTRALIA INDEX

Additions

ACTINOGEN MEDICAL

AIRTASKER ALLEGIANCE COAL

ALLIGATOR ENERGY

ANTISENSE THERAPEUTICS

AUSTRALIAN CLINICAL LABS

BEST & LESS GROUP HLDGS

BLACK ROCK MINING BOWEN COKING COAL

CARAVEL MINERALS

CEDAR WOODS PROPERTIES

CLARITY PHARMACEUTICALS

COBRAM ESTATE OLIVES

COOPER ENERGY

DDH1 DGL GROUP

DOTZ NANO

ELECTRO OPTIC SYS HLDGS

EMPIRE ENERGY GROUP

HT&E

INTEGRATED RESEARCH

IODM IXUP

JUPITER MINES

KELLY PARTNERS GROUP

KEYPATH EDUCATION CDI

LOTUS RESOURCES

LYNCH GROUP HOLDINGS

MOUNT GIBSON IRON

NOBLEOAK LIFE

PETER WARREN AUTOMOTIVE

PLAYSIDE STUDIOS

PREDICTIVE DISCOVERY

PROSPECT RESOURCES

Deletions

AUSSIE BROADBAND

AUSTRALIAN STRATEGIC

AVZ MINERALS CAPRICORN METALS

CETTIRE

DEXUS INDUSTRIA REIT

DUBBER CORP

HOMECO DAILY NEEDS REIT

IMDEX

IONEER

KAROON ENERGY LIONTOWN RESOURCES

NOVONIX

PPK GROUP

SAYONA MINING

SITE GROUP INTL

VULCAN ENERGY RESOURCES

QUEENSLAND PAC METALS
RESIMAC GROUP
RESOLUTE MINING
RUMBLE RESOURCES
SILK LOGISTICS HOLDINGS
SWOOP HOLDINGS
TAMBORAN RESOURCES
TRAJAN GROUP HOLDINGS

MSCI BELGIUM INDEX

Additions Deletions BIOTALYS HAMON

EKOPAK LEASINVEST REAL ESTATE

UNIFIEDPOST GROUP SIPEF

MSCI SWITZERLAND INDEX

Additions Deletions
CPH CHEMIE & PAPIER HLDG None
GAM HOLDING

GROUPE MINOTERIES

MSCI DENMARK INDEX

Additions Deletions
AQUAPORIN SOLAR HOLDING B
BRODRENE HARTMANN SP GROUP

GREEN HYDROGEN SYSTEMS

MSCI SPAIN INDEX

Additions Deletions
GIGAS HOSTING ATRYS HEALTH
GRUPO ECOENER

GRUPO EMPRESARIAL SAN JO

GRUPO PRISA LLORENTE & CUENCA

MSCI FRANCE INDEX

Additions Deletions AMA PHARNEXT

AXWAY SOFTWARE SOCIETE POUR LE INFORMA

EVERGREEN VALLOUREC

MANUTAN INTERNATIONAL NACON
TFF GROUP

MSCI GERMANY INDEX

Additions Deletions

APONTIS PHARMA EINHELL GERMANY VORZUG
EXASOL GFT TECHNOLOGIES
FORMYCON HEIDELBERGER DRUCK
HGEARS KSB STAMM
KATEK KSB VORZUG

MATERNUS KLINIKEN OEKOWORLD

PSI AG GESELLSCHAFT

PVA TEPLA UMWELTBANK

VILLEROY & BOCH VORZUG

MSCI NETHERLANDS INDEX

Additions Deletions
LAVA THERAPEUTICS None
NX FILTRATION
PHARVARIS

MSCI ITALY INDEX

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Additions Deletions
ALMAWAVE COMER INDUSTRIES
EDILIZIACROBATICA DIGITAL BROS

FRANCHI UMBERTO MARMI ITALIAN SEA GROUP

MEGLIOQUESTO

OMER

SCIUKER FRAMES

UNIDATA

MSCI JAPAN INDEX

Additions AI INSIDE AIDMA HOLDINGS AKATSUKI

AMUSE

ANEST IWATA CORP AOMORI BANK (THE)

ARUHI CORP

BANK OF NAGOYA (THE) CENTRAL SECURITY PATROLS

CHATWORK CHUBU SHIRYO CO CIRCULATION COCONALA

COMPUTER ENGR & CONSU CYBERTRUST JAPAN DAIKYONISHIKAWA CORP DAINICHISEIKA COLOR&CHEM DAITO PHARMACEUTICAL CO

DAYTONA DENYO CO

DIGITAL HOLDINGS

EBASE CO EDULAB ELEMATEC CORP ENECHANGE ENIGMO

ENJIN

ENPLAS CORP

FOR STARTUPS FUJIBO HOLDINGS

FUKUDA CORP

FUTABA INDUSTRIAL

GA TECHNOLOGIES

GLOBALWAY

GRACE TECHNOLOGY HIBIYA ENGINEERING

HYAKUJUSHI BANK

T-PLUG

J FRONTIER

J LEASE

J-STREAM

JAPAN INVESTMENT ADVISER

KAMAKURA SHINSHO

KAMEI CORP

KEY COFFEE

KIBUN FOODS

KOJIMA CO

KOMORI CORP

LAKEEL

LEC

LIFULL CO MARUDAI FOOD CO

MARUKA FURUSATO CORP

MARUSAN SECURITIES CO

MARVELOUS

MEISEI INDUSTRIAL CO MODALIS THERAPEUTICS

NAGATANIEN HOLDINGS CO

NICHIREKI CO

NIHON NOHYAKU CO

NIPPON DENKAI

NITTO KOHKI CO

OKUWA CO

OSAKA STEEL CO

DIGITAL VALUE

ovs

PHARMANUTRA

WIIT

Deletions AIRTRIP CORP

DAIKI ALUMINIUM INDUSTRY

FRIENDLY CORP GLOBERIDE

KI STAR REAL ESTATE MIDAC HOLDINGS CO

OXIDE CORP PAYROLL PR TIMES ROCK FIELD CO RPA HOLDINGS RYOBI SANSHIN ELECTRONICS CO SENSHU IKEDA HOLDINGS SHINNIHONSEIYAKU SINFONIA TECHNOLOGY CO SOFTWARE SERVICE SOURCENEXT CORP SPIDERPLUS & CO ST CORP STARZEN CO STELLA PHARMA CORP STEMCELL INSTITUTE SUMITOMO SEIKA CHEMICALS TACHI-S CO TAIKO PHARMACEUTICAL CO TAKARA LEBEN CO TATSUTA ELEC WIRE & CBL TESS HOLDINGS TOKAIDO REIT TONAMI HOLDINGS CO TSURUMI MANUFACTURING UNIPRES CORP V CUBE V TECHNOLOGY CO WINGARC1ST WORLD WOWOW YAKUODO HOLDINGS CO YAMASHIN FILTER YONDOSHI HOLDINGS ZIGEXN

Additions B & D STRATEGIC HOLDINGS BC TECHNOLOGY GROUP (HK) CT VISION SL(INTL) HLDGS HUOBI TECHNOLOGY HLDGS LAI SUN GARMENT INTL MACAU LEGEND DEVELOPMENT NEW CONCEPTS HOLDINGS PALACE BANOUET HLDGS OUANTONG HOLDINGS REGAL REIT REGENCELL BIOSCIENCE SEA HOLDINGS SF REIT SINOMAB BIOSCIENCE (HK) SUNCITY GROUP HLDGS (HK) TELEVISION BROADCASTS TREE HOLDINGS VPOWER GROUP INTL HLDGS YUXING INFOTECH INV (HK)

MSCI HONG KONG INDEX

MSCI NORWAY INDEX
Additions
AKER BIOMARINE
AKER CLEAN HYDROGEN
ASTROCAST
BERGEN CARBON SOLUTIONS
CIRCA GROUP
DESERT CONTROL
ENSURGE MICROPOWER
EVERFUEL
FROY
GENTIAN DIAGNOSTICS
HAVILA KYSTRUTEN
HUDDLY

Deletions CHINA FINL LEASING GRP CHINA GEM HOLDINGS (CN) DAPHNE INTL HOLDING (HK) ETS GROUP FULLSHARE HOLDINGS (HK) HOPE LIFE INTERNATIONAL JIU RONG HOLDINGS KAISA HEALTH GROUP (CN) MANPOWERGROUP GREATER MODERN DENTAL GROUP NATL ARTS ENTMT & CULT NEO TELEMEDIA (HK) NET A GO TECHNOLOGY CO STEVE LEUNG DESIGN GROUP SUCCESS DRAGON INTL HLDG TRULY INTL HOLDINGS (HK) YIN HE HOLDINGS ZHEJIANG UNITED INV HLDG

Deletions
MEDISTIM
MPC CONTAINER SHIPS
NORWEGIAN AIR SHUTTLE
SEAWAY 7
SPAREBANK 1 SOROST-NORGE

KOMPLETT MASOVAL NORCOD

NORSE ATLANTIC RIVER TECH TEKNA HOLDING

MSCI USA INDEX Additions 1847 GOEDEKER 1STDIBS.COM ACUMEN PHARMACEUTICALS

ADVERUM BIOTECHNOLOG AEROCENTURY CORP AEROVATE THERAPEUTICS AGILETHOUGHT A

AIRSPAN NETWKS HLDGS

AKOUOS

AKOYA BIOSCIENCES ALPHA TEKNOVA ANGEL OAK MORTGAGE AST SPACEMOBILE A

ATERIAN ATHENEX ATHERSYS ATRECA A AVROBIO BETTER CHOICE BIOTRICITY

BKLYN IMMUNOTHERAPEUTICS BLACK DIAMOND THERAPEUT BLUE FOUNDRY BANCORP BOWMAN CONSULTING GRP BRIDGE INVESTMENT GRP A BROADWAY FINANCIAL CORP

BYRNA TECHNOLOGIES CADIZ INC CAMBER ENERGY CANDEL THERAPEUTICS

CAREMAX A CODEX DNA

CONVEY HOLDING PARENT CORTLAND BANCORP CPI CARD GROUP CRAWFORD & CO A CRAWFORD & CO B

CVRX

CYTOMX THERAPEUTICS

DATCHAT DPW HOLDINGS A DURECT CORP EARGO

EFFECTOR THERAPEUTICS EGAIN CORPORATION EOS ENERGY ENTERPRISES A ESPERION THERAPEUTICS ESPORTS TECHNOLOGIES

EVGO A FAT BRANDS A

FINANCE OF AMERICA A FIVE STAR BANCORP FOCUS UNIVERSAL

FORIAN

FREQUENCY THERAPEUTICS

FTC SOLAR GARRETT MOTION GREENLANE HOLDINGS A HERITAGE INSURANCE IKENA ONCOLOGY V IMMUNEERING A JOANN

KALA PHARMECUTICAL KARAT PACKAGING KATAPULT HOLDINGS A Deletions

A MARK PRECIOUS METALS

AMMO ASPEN AEROGELS ATLANTICUS HOLDINGS BERRY CORP CENTRUS ENERGY CORP A CLARUS CORPORATION CLEARFIELD CONSOL ENERGY (NEW) CONTURA ENERGY COREPOINT LODGING CRA INTERNATIONAL CROSS COUNTRY HEALTHCARE

CURO GROUP HOLDINGS CORP

CUTERA

FULCRUM THERAPEUTICS GAMCO INVESTORS A GATOS SILVER GLADSTONE LAND CORP

GOLDEN NUGGET ONLINE A

GREENSKY A HESS MIDSTREAM A HINGHAM INSTITUTION IDEAYA BIOSCIENCES IDT CORP B

LAREDO PETROLEUM LIQUIDITY SERVICES INC

META MATERIALS

METROPOLITAN BANK HLDG MONEYGRAM INTERNATIONAL NET 1 UEPS TECHNOLOGIES OPORTUN FINANCIAL ORAMED PHARMACEUTICALS PARTY CITY HOLDCO PEABODY ENERGY PLYMOUTH INDL REIT RAMACO RESOURCES

RYERSON HOLDING CORP STAGWELL A

VENATOR MATERIALS

TRAVELCENTERS OF AMERICA URANIUM ENERGY

KINGSWAY FINANCIAL (US) KULR TECHNOLOGY GROUP LANDEC CORP LIGHTNING EMOTORS LIVEVOX HOLDINGS A LONGBOARD PHARMA MECHANICAL TECHNOLOGY MIROMATRIX MEDICAL MOLECULAR TEMPLATES NAUTILUS NEOLEUKIN THERAPEUTICS NEUROPACE NORTHEAST CMNTY BANCRP NRX PHARMACEUTICALS NUVVE HOLDING ONTRAK ORANGE COUNTY BANCORP PLAYSTUDIOS A PROGENITY PUMA BIOTECHNOLOGY QUANTUM COMPUTING OHOTTENT RED CAT HOLDINGS INC RENEO PHARMACEUTICALS RESERVOIR MEDIA RILEY EXPLORATION RXSIGHT SERA PROGNOSTICS A SILVERBACK THERAPEUTICS SOUTHERN STATES SPECTRUM PHARMACEUTICALS SQZ BIOTECHNOLOGIES SRAX A SUNLIGHT FINANCIAL A SURROZEN INC TALARIS THERAPEUTICS TALKSPACE TCR2 THERAPEUTICS THERAPEUTICSMD TILE SHOP HOLDINGS TREAN INSURANCE GROUP TSCAN THERAPEUTICS TUESDAY MORNING CORP UNIVERSAL LOGIS HLDGS UPHEALTH URBAN-GRO US CENTURY BANK A VERB TECHNOLOGY VILLAGE SUPER MARKET A VINTAGE WINE ESTATES VIRNETX HOLDING VOR BIOPHARMA

MSCI CANADA INDEX Additions AUXLY CANNABIS GRP AZARGA URANIUM BLACKLINE SAFETY BOAT ROCKER MEDIA SV CHARLOTTES WEB HLDGS COMPUTER MODELLING GROUP CYBIN DIALOGUE HEALTH TECH EXRO TECHNOLOGIES FARMERS EDGE FIELD TRIP HEALTH FORSYS METALS GLASS HOUSE BRANDS I-80 GOLD LIFESPEAK NANO ONE MATLS

WILLIAM PENN BANCORP XPONENTIAL FITNESS A

ZEVIA A

Deletions AFRICA OIL CORP AYA GOLD & SILVER BAYTEX ENERGY BSR REIT GOGOLD RESOURCES INC HEADWATER EXPLORATION HUT 8 MINING INTL PETROLEUM CORP KELT EXPLORATION MAINSTREET EQUITY CORP NUVISTA ENERGY SECURE ENERGY SERVICES TAMARACK VALLEY ENERGY TECSYS TRICAN WELL SERVICE

NOVA CANNABIS
PAYFARE A
POWERTAP HYDROGEN CPTL
SYLOGIST
TIDEWATER RENEWABLES
VERTICALSCOPE HLDGS SV

MSCI SWEDEN INDEX

Additions
ACAST
AQ GROUP
ARLA PLAST
ATHANASE INNOVATION
AWARDIT B
BONESUPPORT HOLDING
COPPERSTONE RESOURCES B

DOXA
ELANDERS
ENAD GLOBAL 7
EPISURF MEDICAL
EXSITEC HOLDING
HANZA HOLDING
IDUN INDUSTRIER B
INTEGRUM B

LINC
MILDEF GROUP
ONCOPEPTIDES AB
OPTICEPT TECHNOLOGIES
OSCAR PROPERTIES HOLDING
PERMASCAND TOP HOLDING
PIERCE GROUP
PROBI AB
PROFOTO HOLDING

RUGVISTA GROUP SBF BOSTAD A SCANDI STANDARD SLEEP CYCLE

STUDENTBOSTADER I NORDEN

Deletions
ANGLER GAMING
ASARINA PHARMA
FASADGRUPPEN GROUP
FASTIGHETS AB TRIANON B
HUMBLE GROUP
JOSAB WATER SOLUTIONS
NEDERMAN HOLDING AB
STENDORREN FASTIGHETER
SURGICAL SCIENCE SWEDEN
XANO INDUSTRI B

MSCI UNITED KINGDOM INDEX

Additions

ABERDEEN STD EUR LOGIS ARECOR THERAPEUTICS BEEKS FINANCIAL CLOUD

BELLUSCURA CMO GROUP DIANOMI

DIANOMI
ELIXIRR INTERNATIONAL
FISHER (JAMES) & SONS
FORWARD PARTNERS GRP
FULLER SMITH & TURNER A

GLEESON (M.J.)
HELIOS UNDERWRITING
HURRICANE ENERGY
HYDROGENONE CPTL GROWTH

HYDROGENONE CPTL GROWTH

I3 ENERGY
IOMART GROUP
KITWAVE GROUP
LIKEWISE GROUP
LORDS GROUP TRADING
MICROLISE GROUP
MUSICMAGPIE
NICHOLS
PROPERTY FRANCHISE GROUP
PROTON MOTOR POWER SYS
REVOLUTION BEAUTY

PROTON MOTOR POWER SY
REVOLUTION BEAUTY
SAIETTA GROUP
SAREUM HOLDINGS
SERAPHINE GROUP
SUPPLY@ME CAPITAL
TRELLUS HEALTH
VIRGIN WINES UK

Deletions

ALFA FINL SOFTW HLDGS
AMRYT PHARMA
ATALAYA MINING
FARON PHARMACEUTICALS
FORESIGHT GROUP HLDGS
GYM GROUP
HARWORTH GROUP
HOME REIT
KIER GROUP
MIDWICH GROUP
PANTHEON RESOURCES
RANDALL & QUILTER INV

RENEWI

URBAN LOGISTICS REIT

YELLOW CAKE

RENEW HOLDINGS

WINCANTON

## ZEPHYR ENERGY

MSCI FINLAND INDEX Additions FARON PHARMA (FI) LASSILA & TIKANOJA NIGHTINGALE HEALTH B ORTHEX RAISIO V SIEVI CAPITAL SITOWISE GROUP

Deletions MARIMEKKO

MSCI NEW ZEALAND INDEX

Additions

MY FOOD BAG GROUP

Deletions

HEARTLAND GROUP HOLDINGS

MSCI IRELAND INDEX

Additions

None

Deletions

PERMANENT TSB GROUP HLDG

MSCI ISRAEL INDEX

Additions

AFRICA ISRAEL RESIDENCE

ARGO PROPERTIES

BIKUREY HASADE HOLDINGS

BONEI TICHON DANYA CEBUS

DELTA ISRAEL BRANDS DIPLOMAT HLDGS

ENTERA BIO ERIKA CARMEL

FRESHMARKET

GAMA MGMT & CLEARING

GLASSBOX

HAGAG EUROPE DEV

IM CANNABIS CORP

INNOVIZ TECH

LIBRA INSURANCE COMPANY

MICHLOL FINANCE

NEXT VISION STABILIZED

O.Y. NOFAR ENERGY

RAV BARIACH 08 IND

SOFWAVE MEDICAL

TERMINAL X ONLINE

TOP GUM INDUSTRIES

TURPAZ INDUSTRIES

MSCI SINGAPORE INDEX

Additions AZTECH GLOBAL

JINHAI INTERNATIONAL GRP

MEDTECS INTL CORP

MEMIONTEC HOLDINGS OXLEY HOLDINGS

TOMO HOLDINGS

TOTM TECHNOLOGIES

Deletions

ELECTRA REAL ESTATE

PERION NETWORK SISRAM MEDICAL

Deletions FRENCKEN GROUP HOUR GLASS (THE) MAXEON SOLAR TECH

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