

Geneva, May 13, 2019

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 May 28, 2019.

SUMMARY PER COUNTRY and PER REGION:

| Region | Country | Nb of Securities Added | Nb of Securities Deleted |
|--------------|-----------|------------------------|--------------------------|
| Asia Pacific | | | |
| | JAPAN | 5 | 4 |
| | HONG KONG | 1 | 2 |
| | MALAYSIA | 0 | 1 |
| | INDONESIA | 1 | 1 |
| | KOREA | 1 | 2 |
| | THAILAND | 3 | 1 |
| | INDIA | 1 | 1 |
| | CHINA | 31 | 4 |

| Region | Country | Nb of Securities Added | Nb of Securities Deleted |
|--------------------------------|----------------------|------------------------|--------------------------|
| Europe, Middle East and Africa | | | |
| | GREECE | 2 | 0 |
| | UNITED ARAB EMIRATES | 0 | 1 |
| | QATAR | 2 | 1 |
| | SPAIN | 1 | 0 |
| | FRANCE | 0 | 1 |
| | GERMANY | 2 | 2 |
| | ITALY | 1 | 0 |
| | UNITED KINGDOM | 5 | 4 |
| | TURKEY | 0 | 2 |
| | IRELAND | 0 | 1 |
| | ISRAEL | 2 | 1 |
| | SOUTH AFRICA | 0 | 3 |
| | SAUDI ARABIA | 30 | 0 |
| | POLAND | 0 | 1 |

| Region | Country | Nb of Securities Added | Nb of Securities Deleted |
|----------|-----------|------------------------|--------------------------|
| Americas | | | |
| | USA | 21 | 4 |
| | CANADA | 2 | 4 |
| | ARGENTINA | 0 | 6 |
| | BRAZIL | 3 | 0 |

ASIA PACIFIC

MSCI JAPAN INDEX

Additions

ADVANTEST CORP
GMO PAYMENT GATEWAY
ITOCHU TECHNO-SOLUTIONS
MERCARI INC
PEPTIDREAM

Deletions

ASICS CORP
DENA CO
TAKASHIMAYA CO
YAMAGUCHI FINANCIAL GRP

MSCI HONG KONG INDEX

Additions

VITASOY INTL HOLDINGS

Deletions

HANG LUNG GROUP
MINTH GROUP (HK)

MSCI MALAYSIA INDEX

Additions

Deletions

| | |
|---------------------------------|------------------------|
| None | IOI PROPERTIES GROUP |
| | |
| MSCI INDONESIA INDEX | |
| Additions | Deletions |
| BARITO PACIFIC | TOWER BERSAMA INFRA |
| | |
| MSCI KOREA INDEX | |
| Additions | Deletions |
| MERITZ SECURITIES CO | DGB FINANCIAL HOLDINGS |
| | KT CORP |
| | |
| MSCI THAILAND INDEX | |
| Additions | Deletions |
| INTOUCH HOLDINGS | DELTA ELECTRONICS THAI |
| RATCHABURI ELECTRICITY | |
| TOTAL ACCESS COMMU | |
| | |
| MSCI INDIA INDEX | |
| Additions | Deletions |
| ICICI LOMBARD GENL INS | CADILA HEALTHCARE |
| | |
| MSCI CHINA INDEX | |
| Additions | Deletions |
| AIER EYE HOSP A(HK-C) | CAR |
| BANK OF CHENGDU A (HK-C) | CHINA TRAVEL INTL |
| CAITONG SEC A (HK-C) | GREENTOWN CHINA HLDGS |
| CHAOZHOU THREE A (HK-C) | JIAYUAN INTERNATIONAL |
| CHINA AOYUAN GROUP | |
| CHINA EDU GRP HLDGS | |
| CHONGQING ZHIFEI A(HK-C) | |
| CONTEMPORARY AMP A(HK-C) | |
| EAST MONEY INFO A (HK-C) | |
| HANGZHOU TIGER A (HK-C) | |
| HENGYI PETROCHEM A(HK-C) | |
| HITHINK ROYAL A (HK-C) | |
| INNER MONGOL JUN A(HK-C) | |
| LENS TECHNOLOGY A (HK-C) | |
| LEPU MEDICAL A (HK-C) | |
| LI NING CO | |
| MANGO EXCELLENT A (HK-C) | |
| NIO A ADR | |
| OCEANWIDE HLDGS A (HK-C) | |
| SHENZHEN INOVANC A(HK-C) | |
| SHENZHEN KANGTAI A(HK-C) | |
| SHENZHEN MINDRAY A(HK-C) | |
| SONGCHENG PERF A (HK-C) | |
| SUZHOU DONGSHAN A (HK-C) | |
| TRANSFAR ZHILIA A (HK-C) | |
| WALVAX BIOTECH A (HK-C) | |
| WANGSU SCIENCE A (HK-C) | |
| WENS FOODSTUFF A (HK-C) | |
| WUXI APPTEC CO H | |
| WUXI LEAD INTG A (HK-C) | |
| YANZHOU COAL A (HK-C) | |
| | |
| EUROPE, MIDDLE EAST AND AFRICA | |
| | |
| MSCI GREECE INDEX | |
| Additions | Deletions |
| EUROBANK ERGASIAS | None |
| NATIONAL BANK OF GREECE | |
| | |
| MSCI UNITED ARAB EMIRATES INDEX | |
| Additions | Deletions |
| None | DAMAC PROPERTIES DUBAI |
| | |
| MSCI QATAR INDEX | |

Additions
MESAIEED PETROCHEMICAL
QATAR FUEL CO

Deletions
EZDAN HOLDING GROUP

MSCI SPAIN INDEX
Additions
CELLNEX TELECOM

Deletions
None

MSCI FRANCE INDEX
Additions
None

Deletions
REXEL

MSCI GERMANY INDEX
Additions
CARL ZEISS MEDITEC
KNORR-BREMSE

Deletions
OSRAM LICHT
PROSIEBEN SAT1 MEDIA

MSCI ITALY INDEX
Additions
FINECOBANK

Deletions
None

MSCI UNITED KINGDOM INDEX
Additions
EVRAZ GROUP
HALMA
OCADO GROUP
RENTOKIL INITIAL
SPIRAX SARCO ENGINEERING

Deletions
BABCOCK INTL GROUP
CONVATEC GROUP
HAMMERSON
ROYAL MAIL GROUP

MSCI TURKEY INDEX
Additions
None

Deletions
PETKIM PETROKIMYA HLDG
TURKIYE HALK BANKASI

MSCI IRELAND INDEX
Additions
None

Deletions
RYANAIR HOLDINGS

MSCI ISRAEL INDEX
Additions
CYBERARK SOFTWARE (USD)
ISRAEL DISCOUNT BANK

Deletions
BEZEQ ISRAEL TELECOM

MSCI SOUTH AFRICA INDEX
Additions
None

Deletions
FORTRESS INCOME FUND B
HYPROP INVESTMENTS LTD
RESILIENT REIT

MSCI SAUDI ARABIA INDEX
Additions
ADVANCED PETROCHEMICALS
AL RAJHI BANKING & INV
ALINMA BANK
ALMARAI CO
BANK AL-JAZIRA
BANK ALBILAD
BANQUE SAUDI FRANSI
BUPA ARABIA FOR COPR INS
CO FOR COOPERATIVE INS
DAR AL ARKAN REAL ESTATE
EMAAR ECONOMIC CITY
ETIHAD ETISALAT CO
JARIR MARKETING CO
NATIONAL COMM BANK

Deletions
None

NATL INDUSTRIALIZATION
RABIGH REFINING & PETRO
RIYAD BANK
SAMBA FINANCIAL GROUP
SAUDI AIRLINES CATERING
SAUDI ARAB FERTILIZER
SAUDI ARABIAN MINING CO
SAUDI BASIC IND CORP
SAUDI BRITISH BANK
SAUDI CEMENT
SAUDI ELECTRICITY CO
SAUDI INDL INV GROUP
SAUDI KAYAN PETROCHEM
SAUDI TELECOM CO
SAVOLA
YANBU NATL PETROCHEMICAL

MSCI POLAND INDEX

Additions

None

Deletions

BK HANDLOWY W WARSZAWIE

AMERICAS

MSCI USA INDEX

Additions

DOCUSIGN
DROPBOX A
EPAM SYSTEMS
EQUITY LIFESTYLE PPTYS
ERIE INDEMNITY CO A
EXACT SCIENCES CORP
FACTSET RESEARCH SYSTEMS
HEICO CORP
HEICO CORP A
IONIS PHARMACEUTICALS
MARKETAXESS HLDGS
MONGODB A
OKTA
PAYCOM SOFTWARE
PERKINELMER
SNAP A
STERIS
SUN COMMUNITIES
TWILIO A
ULTIMATE SOFTWARE GROUP
ZEBRA TECHNOLOGIES A

Deletions

BROOKFIELD PPTY REIT A
GOODYEAR TIRE & RUBBER
MATTEL
UNITED THERAPEUTICS CORP

MSCI CANADA INDEX

Additions

KIRKLAND LAKE GOLD (NEW)
QUEBECOR B

Deletions

ARC RESOURCES
FINNING INTL
SEVEN GENERATIONS ENRG A
TURQUOISE HILL RES

MSCI ARGENTINA INDEX

Additions

None

Deletions

ARCOS DORADOS HOLDINGS A
CENTRAL PUERTO ADR
CORPORACION AM AIRPORTS
DESPEGAR.COM
EDENOR B ADR
LOMA NEGRA ADR

MSCI BRAZIL INDEX

Additions

BANCO BTG PACTUAL
ENERGISA UNIT
NOTRE DAME INTERMED ON

Deletions

None

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