

Instrument Change

Referential Update 2017-1644 - Instrument changes effective 22 May 2017

Please be aware of the instrument changes below effective 22 May 2017:

| Name | MIC | ISIN | Symbol | CCY | Segment | Tick Table | Action |
|----------------------------|------|--------------|--------|-----|---------|------------|--------|
| JRP GROUP PLC | XLON | GB00BCRX1J15 | JRPI | GBX | GB | FESE2 | DELETE |
| GALENICA AG-REG | XVTX | CH0015536466 | VIFNz | CHF | CH | FESE2 | DELETE |
| ADVANCED VISION TECHNOLOGY | XETR | IL0010837248 | VSJd | EUR | DE | FESE4 | DELETE |
| SAIPEM SPA | MTAA | IT0000068525 | SPMm | EUR | IT | FESE2B | DELETE |
| LOGWIN AG | XETR | LU0106198319 | TGHd | EUR | DE | FESE4 | DELETE |
| NATIONAL GRID PLC | XLON | GB00B08SNH34 | NGI | GBX | GB | FESE1 | DELETE |
| LOGWIN AG | XETR | LU1611544237 | TGHAd | EUR | DE | FESE4 | ADD |
| SAIPEM SPA | MTAA | IT0005252165 | SPMm | EUR | IT | FESE2B | ADD |
| VIFOR PHARMA AG | XVTX | CH0364749348 | VIFNz | CHF | CH | FESE2 | ADD |
| JUST GROUP PLC | XLON | GB00BCRX1J15 | JUSTI | GBX | GB | FESE2 | ADD |
| NATIONAL GRID PLC | XLON | GB00BDR05C01 | NGI | GBX | GB | FESE1 | ADD |

Please make all necessary changes.

Best Regards

Market Operations Team

Turquoise

Capital Markets, LSEG

Telephone +44 (0)20 7382 7676

market.operations@tradeturquoise.com

10 Paternoster Square, London, EC4M 7LS

www.tradeturquoise.com

