

# ACTIV Feed Status

| Region: America |                   |  |        |   |                              |            |
|-----------------|-------------------|--|--------|---|------------------------------|------------|
| Provider        | Format            | Exchange   | Status | Type  | Detail                       | Feed       |
| Alpha Trading   | EMAPI             | Alpha Trading  | LIVE   | Equities                                      | BBO-10*<br>Level1<br>Order*  | NACA       |
| BATS            | Multicast PITCH   | BATS   | LIVE   | Equities                                      | BBO-10*<br>Level1*<br>Order* | HOST       |
| BATS            | PITCH             | BATS   | LIVE   | Equities                                      | BBO-10*<br>Level1*<br>Order* | HOST       |
| CBOE            | MarketDataIndices | CBOE   | LIVE   | Indices                                       | Level1                       | NA         |
| CFE             | BookDepth         | CBOE Futures Exchange  | LIVE   | Derivatives                                   | BBO-10*                      | HOST       |
| CFE             | MarketData        | CBOE Futures Exchange  | LIVE   | Derivatives<br>Indices                        | Level1                       | NA         |
| CHI-X           | CHIXMD            | CHI-X (Canada)   | LIVE   | Equities                                      | BBO-10*<br>Level1<br>Order*  | .          |
| CME             | FAST FIX          | CBOT GLOBEX<br>CME GLOBEX<br>COMEX GLOBEX<br>KCBOT GLOBEX<br>MGEX GLOBEX<br>NYMEX GLOBEX                     | LIVE   | Derivatives<br>Spots<br>Strategies            | BBO-10*<br>Level1            | NA         |
| CME             | ITC               | CBOT Regular<br>CME Regular<br>COMEX Regular<br>DJ Indices<br>KCBOT Regular<br>MGEX Regular<br>NYMEX Regular | LIVE   | Derivatives<br>Indices<br>Spots<br>Strategies | Level1                       | NA         |
| CME             | Streamlined FIX   | S&P Indices  | LIVE   | Indices                                       | Level1                       | NA         |
| CNSX            | PL1               | CNSX   | LIVE   | Equities                                      | Level1                       | NA<br>NACA |
| CNSX            | PL2               | CNSX   | LIVE   | Equities                                      | BBO-10*<br>Order*            | .          |
| CTA             | CQS               | US Composite + Regionals   | LIVE   | Equities<br>Fixed Income                      | Level1<br>Quote              | NA         |
| CTA             | CTS               | US Composite + Regionals   | LIVE   | Equities<br>Fixed Income<br>Indices           | Level1                       | NA         |
| DirectEdge      | DepthOfBook       | EDGA<br>EDGX   | LIVE   | Equities                                      | BBO-10*<br>Level1*<br>Order* | HOST       |
| e-CBOT          | CONNECT           | e-CBOT   | LIVE   | Derivatives                                   | BBO-10*<br>Level1<br>Order*  | .          |

# ACTIV Feed Status

| Region: America |                     |                                       |        |  |                              |            |
|-----------------|---------------------|---------------------------------------|--------|--|------------------------------|------------|
| Provider        | Format              | Exchange                              | Status | Type                                       | Detail                       | Feed       |
| ICE             | iImpact (Multicast) | ICE (US, Canada and Europe)           | LIVE   | Derivatives<br>Indices<br>Spots<br>Spreads | BBO-10*<br>Level1<br>Order*  | NA         |
| ISE             | MDI                 | ISE                                   | LIVE   | Derivatives<br>Strategies                  | BBO*<br>BBO-10*<br>Order*    | HOST       |
| Montreal        | SOLA HSVF           | Montreal<br>Montreal Climate Exchange | LIVE   | Derivatives<br>Strategies                  | BBO-10*<br>Level1            | NA<br>NACA |
| NASDAQ OMX      | BBDS                | OTC Bulletin Board                    | LIVE   | Equities                                   | Level1<br>Quote              | NA         |
| NASDAQ OMX      | GIDS                | NASDAQ                                | LIVE   | Indices                                    | Level1                       | NA         |
| NASDAQ OMX      | Level2              | NASDAQ                                | LIVE   | Equities                                   | Quote                        | NA         |
| NASDAQ OMX      | MFDS                | NASDAQ                                | LIVE   | Fixed Income                               | Level1                       | NA         |
| NASDAQ OMX      | NOIS                | NASDAQ                                | LIVE   | Equities                                   | Level1                       | NA         |
| NASDAQ OMX      | NOIView             | NASDAQ                                | LIVE   | Equities                                   | Level1                       | .          |
| NASDAQ OMX      | OMDF                | NASD ADF                              | LIVE   | Equities                                   | Level1                       | NA         |
| NASDAQ OMX      | Orders              | NASDAQ OMX PHLX                       | LIVE   | Derivatives<br>Strategies                  | BBO*<br>BBO-10*<br>Order*    | .          |
| NASDAQ OMX      | RussellTick         | NASDAQ RUSSELL INDEX                  | LIVE   | Indices                                    | Level1                       | NA         |
| NASDAQ OMX      | TDDS                | OTC Bulletin Board                    | LIVE   | Equities                                   | Level1                       | NA         |
| NASDAQ OMX      | TOPO                | NASDAQ OMX PHLX                       | LIVE   | Derivatives                                | Level1*                      | .          |
| NASDAQ OMX      | TotalView ITCH v3   | NASDAQ                                | BETA   | Equities                                   | BBO-10*<br>Level1*<br>Order* | .          |
| NASDAQ OMX      | TotalView ITCH v4   | NASDAQ                                | LIVE   | Equities                                   | BBO-10*<br>Level1*<br>Order* | HOST       |
| NASDAQ OMX      | TotalView ITCH      | NASDAQ OMX BX                         | BETA   | Equities                                   | BBO-10*<br>Level1*<br>Order* | .          |
| NASDAQ OMX      | TotalView ITCH      | NASDAQ OMX PSX                        | BETA   | Equities                                   | BBO-10*<br>Level1*<br>Order* | .          |
| NASDAQ OMX      | UQDF                | US Composite + Regionals              | LIVE   | Equities                                   | Level1                       | NA         |
| NASDAQ OMX      | UTDF                | US Composite + Regionals              | LIVE   | Equities                                   | Level1                       | NA         |
| NYBOT           | ITC                 | NYBOT                                 | LIVE   | Derivatives<br>Spots                       | Level1                       | NA         |
| NYSE Euronext   | Alerts              | NYSE                                  | LIVE   | Equities                                   | Level1                       | NA         |
| NYSE Euronext   | Alerts              | NYSE Amex                             | BETA   | Equities                                   | Level1                       | .          |

# ACTIV Feed Status

| Region: America |                     |                                  |        |                           |                              |      |
|-----------------|---------------------|----------------------------------|--------|---------------------------|------------------------------|------|
| Provider        | Format              | Exchange                         | Status | Type                      | Detail                       | Feed |
| NYSE Euronext   | ArcaBook            | NYSE Arca                        | LIVE   | Equities<br>Fixed Income  | BBO*<br>BBO-10*<br>Order*    | .    |
| NYSE Euronext   | ArcaBook (Equities) | NYSE Arca                        | LIVE   | Equities                  | BBO*<br>BBO-10*<br>Order*    | HOST |
| NYSE Euronext   | ArcaBook (Options)  | NYSE Arca                        | LIVE   | Derivatives               | BBO*<br>BBO-10*              | HOST |
| NYSE Euronext   | ArcaBook (Options)  | NYSE Amex                        | LIVE   | Derivatives               | BBO*                         | HOST |
| NYSE Euronext   | BestQuotes          | NYSE                             | LIVE   | Equities                  | Level1*                      | HOST |
| NYSE Euronext   | GIF                 | NYSE                             | LIVE   | Indices                   | Level1                       | HOST |
| NYSE Euronext   | Imbalances          | NYSE                             | LIVE   | Equities                  | Level1*                      | HOST |
| NYSE Euronext   | Imbalances          | NYSE Amex                        | LIVE   | Equities                  | Level1*                      | HOST |
| NYSE Euronext   | LRP                 | NYSE                             | LIVE   | Equities                  | Level1                       | NA   |
| NYSE Euronext   | LRP                 | NYSE Amex                        | BETA   | Equities                  | Level1                       | .    |
| NYSE Euronext   | OpenBook (Ultra)    | NYSE                             | LIVE   | Equities                  | BBO-10*<br>Level1*<br>Order* | HOST |
| NYSE Euronext   | OpenBook (Ultra)    | NYSE Amex                        | BETA   | Equities                  | BBO-10*<br>Level1*<br>Order* | .    |
| NYSE Euronext   | Trades              | NYSE                             | BETA   | Equities                  | Level1*                      | .    |
| NYSE Euronext   | Trades              | NYSE Amex                        | BETA   | Equities                  | Level1*                      | .    |
| NYSE Euronext   | UTP                 | NYSE LIFFE US                    | LIVE   | Commodities<br>Strategies | BBO-10*<br>Level1<br>Order*  | NA   |
| Omega ATS       | Itch                | Omega ATS                        | BETA   | Equities                  | BBO-10*<br>Level1<br>Order*  | .    |
| OneChicago      | BookDepth           | One Chicago                      | LIVE   | Derivatives               | BBO-10*                      | .    |
| OneChicago      | MarketData          | One Chicago                      | LIVE   | Derivatives<br>Indices    | Level1                       | NA   |
| OPRA            | OPRA                | US Option Composite + Regionals  | LIVE   | Derivatives<br>Indices    | Level1                       | OPRA |
| OTC Markets     | ASCII +<br>Binary   | OTC Markets<br>OTC Markets OTCQX | LIVE   | Equities                  | Level1<br>Quote              | NA   |
| Pure Trading    | PL1                 | Pure Trading                     | LIVE   | Equities                  | Level1                       | .    |
| Pure Trading    | PL2                 | Pure Trading                     | LIVE   | Equities                  | BBO-10*<br>Order*            | .    |
| Rydex           | CSV                 | NASDAQ                           | LIVE   | Fixed Income              | Level1                       | NA   |
| TMX             | CBBO                | Canadian Composite               | LIVE   | Equities                  | Level1                       | NACA |
| TMX             | CLS                 | Canadian Composite               | BETA   | Equities                  | Level1                       | .    |
| TMX             | SL2                 | TMX Select                       | BETA   | Equities                  | Level1                       | .    |

# ACTIV Feed Status

| Region: America |        |                      |        |                  |                |         |
|-----------------|--------|----------------------|--------|------------------|----------------|---------|
| Provider        | Format | Exchange             | Status | Type             | Detail         | Feed    |
| TSX             | CL1    | TSX Venture Exchange | LIVE   | Equities Indices | Level1         | NA NACA |
| TSX             | CL2    | TSX Venture Exchange | LIVE   | Equities         | BBO-10* Order* | HOST    |
| TSX             | TL1    | Toronto              | LIVE   | Equities Indices | Level1         | NA NACA |
| TSX             | TL2    | Toronto              | LIVE   | Equities         | BBO-10* Order* | HOST    |

| Region: Asia Pacific |                 |                 |        |  |                      |      |
|----------------------|-----------------|-----------------|--------|--|----------------------|------|
| Provider             | Format          | Exchange        | Status | Type   | Detail               | Feed |
| ASX                  | ITC             | ASX 24          | LIVE   | Derivatives  | BBO-10 Level1        | APJP |
| ASX                  | OMEX API        | ASX             | LIVE   | Derivatives<br>Equities<br>Fixed Income<br>Indices | BBO-10 Level1 Order* | APJP |
| CHI-X                | CHIXMD          | CHI-X (Japan)   | LIVE   | Equities   | BBO-10 Level1 Order* | APJP |
| HKEX                 | MDF             | HKSE            | LIVE   | Equities<br>Fixed Income<br>Indices                | BBO-10 Level1 Order* | APHK |
| HKEX                 | PRS             | HKFE            | LIVE   | Derivatives<br>Indices<br>Spot<br>Strategies       | BBO-10 Level1        | .    |
| HKEX                 | PRS Plus        | HKFE            | LIVE   | Derivatives<br>Indices<br>Spot<br>Strategies       | BBO-10 Level1        | APHK |
| Instinet             | Itch            | CBX             | LIVE   | Equities   | BBO-10 Level1 Order* | .    |
| KRX                  | Spot            | KOSDAQ/ KOSPI   | LIVE   | Equities<br>Indices                                | BBO-10 Level1        | APKR |
| KRX                  | KOSPI200 Future | KOSPI           | LIVE   | Derivatives<br>Strategies                          | BBO-10 Level1        | APKR |
| KRX                  | KOSPI200 Option | KOSPI           | LIVE   | Derivatives<br>Strategies                          | BBO-10 Level1        | APKR |
| OSE                  | MDS             | JASDAQ<br>Osaka | LIVE   | Equities<br>Fixed Income<br>Indices                | BBO-10 Level1        | APJP |
| OSE                  | OMEX API        | Osaka           | LIVE   | Derivatives<br>Strategies                          | BBO-10 Level1        | APJP |

# ACTIV Feed Status

| Region: Asia Pacific |                    |  |        |                                     |                      |      |
|----------------------|--------------------|--|--------|-------------------------------------|----------------------|------|
| Provider             | Format             | Exchange   | Status | Type                                | Detail               | Feed |
| SBI                  | API                | SBI  | BETA   | Equities                            | BBO-10 Level1 Order* | .    |
| SGX                  | D MDF              | SGX  | LIVE   | Derivatives Spreads                 | BBO-10 Level1        | APSG |
| SGX                  | S MDF              | SGX  | LIVE   | Equities Indices                    | BBO-10 Level1        | APSG |
| TOCOM                | OMEX API           | TGE  | LIVE   | Derivatives Indices                 | BBO-10 Level1        | .    |
| TOCOM                | OMEX API           | TOCOM  | LIVE   | Derivatives Indices                 | BBO-10 Level1        | APJP |
| TSE                  | Flex (Standard)    | Fukuoka<br>Nagoya<br>Sapporo<br>TSE<br>Tokyo AIM | LIVE   | Equities<br>Fixed Income<br>Indices | BBO-10 Level1        | APJP |
| TSE                  | Flex (HSI)         | TSE  | LIVE   | Indices                             | Level1               | HOST |
| TSE                  | Flex (Full)        | Fukuoka<br>Nagoya<br>Sapporo<br>TSE<br>Tokyo AIM | LIVE   | Equities<br>Fixed Income            | BBO-10 Level1 Order* | APJP |
| TSE                  | TDEX+ LIFFE API    | TSE  | LIVE   | Derivatives                         | BBO-10 Level1 Order* | APJP |
| TSWE                 | Market Information | TWSE   | BETA   | Equities<br>Fixed Income<br>Indices | BBO-10 Level1        | APJP |

| Region: Europe, Middle East And Africa |        |   |        |   |                      |      |
|--|--------|---|--------|---|----------------------|------|
| Provider                               | Format | Exchange  | Status | Type  | Detail               | Feed |
| BME                                    | BME    | Barcelona<br>Bilbao<br>Madrid<br>MEFF<br>Valencia | LIVE   | Derivatives<br>Equities<br>Fixed Income<br>Strategies | BBO-10 Level1        | EUUK |
| CHI-X                                  | CHIXMD | Chi-X (Europe)                                    | LIVE   | Equities  | BBO-10 Level1 Order* | EUUK |

# ACTIV Feed Status

| Region: Europe, Middle East And Africa |                    |  |        |  |                            |      |
|--|--------------------|--|--------|--|----------------------------|------|
| Provider                               | Format             | Exchange   | Status | Type   | Detail                     | Feed |
| Deutsche Börse                         | CEF                | Berlin<br>Bremen<br>DJStoxx<br>Dublin<br>EEX<br>EuroMTS<br>Frankfurt<br>Hamburg<br>Hanover<br>Munich<br>SCOACH Europe<br>Xetra | LIVE   | Equities<br>Fixed Income<br>Indices                | BBO-10<br>Level1           | EUUK |
| Deutsche Börse                         | CEF Ultra+ Eurex   | Eurex  | LIVE   | Derivatives<br>Strategies                          | BBO-10<br>Level1           | EUUK |
| LME                                    | MDD                | LME  | LIVE   | Derivatives<br>Spots                               | BBO-10<br>Level1<br>Quote  | EUUK |
| LSE                                    | Infolect           | Borsa Italiana   | LIVE   | Equities<br>Indices                                | BBO-10<br>Level1<br>Order* | EUUK |
| LSE                                    | Infolect           | Oslo Børs  | LIVE   | Equities<br>Fixed Income                           | BBO-10<br>Level1<br>Order* | EUUK |
| LSE                                    | Millenium FAST FIX | FTSE   | LIVE   | Indices  | Level1                     | EUUK |
| LSE                                    | Millenium FAST FIX | LSE  | LIVE   | Equities<br>Fixed Income                           | BBO-10<br>Level1<br>Quote  | EUUK |
| LSE                                    | Millenium ITCH     | LSE  | LIVE   | Equities<br>Fixed Income                           | BBO-10<br>Level1<br>Order* | EUUK |
| LSE                                    | SOLA HSVF          | Borsa Italiana   | LIVE   | Derivatives<br>Strategies                          | BBO-10<br>Level1           | EUUK |
| LSE                                    | SOLA HSVF          | Oslo Børs  | LIVE   | Derivatives<br>Strategies                          | BBO-10<br>Level1           | EUUK |
| LSE                                    | SOLA HSVF          | Turquoise  | LIVE   | Derivatives<br>Strategies                          | BBO-10<br>Level1           | EUUK |
| NASDAQ OMX                             | Genium (GCF)       | Copenhagen<br>Helsinki<br>Iceland<br>Riga<br>Stockholm<br>Tallin<br>Vilnius  | LIVE   | Derivatives<br>Equities<br>Fixed Income<br>Indices | BBO-10<br>Level1           | EUUK |

# ACTIV Feed Status

| Region: Europe, Middle East And Africa |              |   |        |  |                            |      |
|--|--------------|---|--------|--|----------------------------|------|
| Provider                               | Format       | Exchange  | Status | Type   | Detail                     | Feed |
| NYSE Euronext                          | XDP          | Amsterdam<br>Brussels<br>Lisbon<br>NYSE Arca Europe<br>Paris<br>SmartPool | LIVE   | Derivatives<br>Equities<br>Fixed Income<br>Indices | BBO-10<br>Level1<br>Order* | EUUK |
| NYSE Euronext                          | XDP FAST FIX | Amsterdam<br>Brussels<br>LIFFE<br>Lisbon<br>Paris                         | LIVE   | Derivatives  | BBO-10<br>Level1           | EUUK |
| SIX Exfeed                             | MDI FAST FIX | SIX Swiss Exchange<br>SCOACH Swiss  | LIVE   | Equities<br>Fixed Income                           | BBO-10<br>Level1<br>Order* | EUUK |

| Region: Latin America |        |          |        |      |        |      |
|-----------------------|--------|----------|--------|------|--------|------|
| Provider              | Format | Exchange | Status | Type | Detail | Feed |

| Region: Miscellaneous |           |                    |        |             |                            |      |
|-----------------------|-----------|--------------------|--------|-------------|----------------------------|------|
| Provider              | Format    | Exchange           | Status | Type        | Detail                     | Feed |
| Barclays              | FIX       | Barclays           | BETA   | Forex       | BBO                        | .    |
| Citi                  | FIX       | Citi               | BETA   | Forex       | BBO<br>BBO-10<br>Order*    | .    |
| Comtex                | NewsML    | Comtex             | LIVE   | News        | .                          | NEWS |
| Currenex              | FIX       | Currenex           | LIVE   | Forex       | BBO<br>BBO-10<br>Order*    | .    |
| Dow Jones             | DJNML     | Dow Jones News     | LIVE   | News        | .                          | NEWS |
| EBS                   | FIX       | EBS                | LIVE   | Forex       | Level1                     | .    |
| FXall                 | FIX       | FXall              | LIVE   | Forex       | BBO-10<br>BBO<br>Order*    | .    |
| HotspotFX             | Itch      | HotspotFX          | LIVE   | Forex       | BBO-10<br>Level1<br>Order* | .    |
| Tenfore               | Tenfore   | Tenfore            | LIVE   | Forex       | Level1<br>Quote            | NA   |
| TSX                   | FX2       | Toronto            | LIVE   | Forex       | Level1<br>Quote            | NA   |
| TSX                   | NE1       | TSX News (English) | LIVE   | News        | .                          | NEWS |
| TSX                   | NW1       | TSX News           | LIVE   | News        | .                          | .    |
| UBS                   | FIX       | UBS                | LIVE   | Forex       | BBO                        | .    |
| ValueLine             | ValueLine | ValueLine          | LIVE   | Fundamental | .                          | NA   |

# ACTIV Feed Status

\* This level of detail is not available via ActivFeed – it would only be available via (Hosted) ActivFeed Direct.

The US Equity regional markets include ...

- BATS
- BATS Y (BYX)
- CBOE (CBSX)
- CHX
- EDGA
- EDGX
- FINRA ADF
- NASDAQ
- NASDAQ OMX BX
- NASDAQ OMX PSX
- NASDAQ OTC
- NSX
- NYSE
- NYSE Amex
- NYSE Arca

The US Equity Option regional markets include ...

- Boston Options (BOX)
- BATS
- CBOE
- CBOE C2
- ISE
- NASDAQ
- NASDAQ OMX PHLX
- NYSE Amex Options
- NYSE Arca Options