

OPRA VENDOR CODES

VENDOR	PRODUCT CODES	BILLED AS
Activ Financial Systems	ACDFD	INDIRECT
Activ Financial Systems	ACFIFP	DEVICE
Activ Financial Systems	ACFIND	DEVICE
Activ Financial Systems	ACFNPDF	NON BILLABLE INDIRECT
SunGard	ADPIF	DEVICE
SunGard	ADPNPDF	NON BILLABLE INDIRECT
SunGard	AFSQIFP	DEVICE
Vela Trading Technologies	ATSDF	INDIRECT
Vela Trading Technologies	ATSIND	DEVICE
Vela Trading Technologies	ATSNPDF	NON BILLABLE INDIRECT
QUODD	B4UTIFP	DEVICE
Bloomberg	BLIDF	INDIRECT
Bloomberg	BLIIF	DEVICE
Bloomberg	BLIIND	DEVICE
Bloomberg	BLINPDF	NON BILLABLE INDIRECT
Bit Market/Spafid	BMSIF	DEVICE
Scotia Equity Risk Derivatives	BSNINT	DEVICE
Belvedere Trding. Internal	BVTIF	DEVICE
Non-Display Enterprise	CATEGORY 1	NONDISPLAY ENT CAT
Non-Display Enterprise	CATEGORY 2	NONDISPLAY ENT CAT
Non-Display Platform	CATEGORY 3	NONDISPLAY PLAT CAT
Citigroup Global Markets	CITIFP	DEVICE
Merrill Lynch (BOFA)	CPROMLO	DEVICE
Canjex	CSWIF	DEVICE
Charles Schwab	CSCIFP	DEVICE
Charles Schwab	OPRAIDU	DEVICE
Charles Schwab	OPRAIE	DEVICE
CQG	CQGIF	DEVICE
Direct Edge	DEGDF	INDIRECT
Direct Edge	DEGIND	DEVICE
Direct Edge	DEGNPDF	NON BILLABLE INDIRECT
DataFeed Mgr Bloomberg Datafeed Device	DFMBLIINDU	DEVICE
DataFeed Mgr Reuters Datafeed Device	DFMRUSINDU	DEVICE
DASH Financial	DSHIF	DEVICE
Telvent DTN, LLC	DTNDF	INDIRECT
Telvent DTN, LLC	DTNIDF	NON BILLABLE INDIRECT
Telvent DTN, LLC	DTNIF	DEVICE
Telvent DTN, LLC	DTNIND	DEVICE
Telvent DTN, LLC	DTNREDIST	NON BILLABLE INDIRECT
Devexperts	DVENPDF	NON BILLABLE INDIRECT
E*TRADE Financial Corp.	E TRADEIF	DEVICE
BinckBank	EBNIF	DEVICE
Citigroup EMEA accounts	EMEAIFP	DEVICE
ETCM Holdings (OptionsHouse)	ETCM	DEVICE

Flextrade Systems	FLEXIF	DEVICE
Fidelity Index Users	FMRINDX	DEVICE
Fixnetix Limited	FXLNPDF	NON BILLABLE INDIRECT
FIS Fin. (Sungard Global Trad)	GLCIFP	DEVICE
FIS Fin. (Sungard Global Trad)	GLCNPDF	NON BILLABLE INDIRECT
Delayed Hosted Sol. Enterprise	HOSTDELENT	DELAYED WEB HOSTING
Hosted Site - Delayed	HOSTEDEL	DELAYED WEB HOSTING
Hosted Site - RealTime	HOSTEDREAL	RT HOSTING
Hanweck Assoc.	HWADF	INDIRECT
Hanweck Assoc.	HWAIND	DEVICE
Hanweck Assoc.	HWANPDF	NON BILLABLE INDIRECT
Interactive Data (ESignal)	IDC1IFP	DEVICE
7 Ticks	IDC7TDF	INDIRECT
7 Ticks	IDC7TIND	DEVICE
7 Ticks	IDC7TNPDF	NON BILLABLE INDIRECT
Interactive	IDCDF	INDIRECT
FactSet (TLD)	IDCE	DEVICE
Interactive Data	IDCIF	DEVICE
Interactive Data	IDCNPDF	NON BILLABLE INDIRECT
Real Ext. Datafeed Redist	IDCRTEXT1	NON BILLABLE INDIRECT
IG Markets Limited - External	IGMEIFP	DEVICE
IG Markets Limited - Internal	IGMIFP	DEVICE
IRESS Mkt Tech Grp.	IMTCIF	DEVICE
INDIRECT ACCESS(VENDOR)	IND	INDIRECT
INDIRECT DEVICES	INDIRECT	DEVICE
INDIRECT ACCESS NOT BILLED	INDNONBILL	NON BILLABLE INDIRECT
Instinet Developer	INSDEV	NON BILLABLE INDIRECT
Instinet	INSIF	DEVICE
Instinet	INSNPDF	NON BILLABLE INDIRECT
Internal Professionals	INTERNAL	DEVICE
IPC	IPCNPDF	NON BILLABLE INDIRECT
Intl Sec Exch - Nasdaq	ISEIF	DEVICE
Imagine Software	ISIIF	DEVICE
Investment Technology Group	ITGIFP	DEVICE
Knight Capital Group	KCGIFP	DEVICE
Lek Securities Corp.	LEKIFP	DEVICE
Lime Broderage	LIMNPDF	NON BILLABLE INDIRECT
Light Speed Holdings	LSPIFP	DEVICE
MB Trading	MBTIFP	DEVICE
Merrill Lynch (BOFA)	MERGIF	DEVICE
Money.net	MNTIFP	DEVICE
Morgan Stanley	MSCIFP	DEVICE
Matrix Executions	MTXDF	INDIRECT
Matrix Exec. (Speed Trad.)	MTXIF	DEVICE
Matrix Executions	MTXIND	DEVICE
Matrix Executions	MTXNPDF	NON BILLABLE INDIRECT
Cboe Livevol	MXMIFP	DEVICE

National Bank of Canada	NBCIF	DEVICE
Neovest	NEOIFP	DEVICE
Fidelity	NFSBODS	DEVICE
Fidelity	NFSNBDF	NON BILLABLE INDIRECT
NASDAQ	NSDQDF	INDIRECT
NASDAQ	NSDQIND	DEVICE
NASDAQ	NSDQNBDF	NON BILLABLE INDIRECT
Nirvana Systems	NSIIF	DEVICE
OMC - Operation Management Cen Mubasher	OMCIFP	DEVICE
Options IT	OPIIND	DEVICE
Option IT	OPINBDF	NON BILLABLE INDIRECT
Pershing	PDDIFP	DEVICE
Pershing	PERIPT	DEVICE
PowerOptions	POWIF	DEVICE
Pico Trading	PQTDF	INDIRECT
Pico Trading	PQTIF	DEVICE
Pico Trading	PQTIND	DEVICE
Pico Trading Non Bill DF	PQTNBDF	NON BILLABLE INDIRECT
PULSE USER	PULSE	DEVICE
Paine Webber: External Users	PWBEIFP	DEVICE
Paine Webber: Internal Users	PWBIIFP	DEVICE
Quote Media	QMCDF	INDIRECT
QuoteMedia	QMCIFP	DEVICE
QuoteMedia	QMCIND	DEVICE
Quote Media	QMCNBDF	NON BILLABLE INDIRECT
Questrade	QSTIFP	DEVICE
Quanthouse	QTHIF	DEVICE
Quanthouse	QTHIND	DEVICE
Quanthouse	QTHNBDF	NON BILLABLE INDIRECT
R2G Data Services	R2GDF	INDIRECT
R2G Data Services	R2GIF	DEVICE
R2G Data Services	R2GIND	DEVICE
R2G Data Services	R2GNBDF	NON BILLABLE INDIRECT
Royal Bnk Action Direct	RBCIFP	DEVICE
Fidessa	RBFIF	DEVICE
Fidessa	RBFIF	DEVICE
Fidessa	RBFNBDF	NON BILLABLE INDIRECT
Thomson Reuters - Asia	RFADF	DEVICE
Thomson Reuters - Asia	RFAFEED	INDIRECT
Thomson Reuters - Asia	RFAIF	DEVICE
Thomson Reuters - Asia	RFAIRTDIF	INDIRECT
Thomson Reuters - Asia	RFANBDF	NON BILLABLE INDIRECT
Thomson Reuters - Europe	RFDDF	DEVICE
Thomson Reuters - Europe	RFDFEED	INDIRECT
Thomson Reuters - Europe	RFDIF	DEVICE
Thomson Reuters - Europe	RFDIRTDIF	NON BILLABLE INDIRECT
Thomson Reuters - Europe	RFDNBDF	NON BILLABLE INDIRECT

Thomson Reuters - U.K.	RFNDF	DEVICE
Thomson Reuters - U.K.	RFNFEEF	INDIRECT
Thomson Reuters - U.K.	RFNIF	DEVICE
Thomson Reuters - U.K.	RFNNBDF	NON BILLABLE INDIRECT
Thomson Reuters - U.K.	RFNWIF	DEVICE
Fidessa	RFPNBDF	NON BILLABLE INDIRECT
Thomson Reuters - America	RUSDFS	INDIRECT
Thomson Reuters - America	RUSFNB	NON BILLABLE INDIRECT
Thomson Reuters - America	RUSIF	DEVICE
Thomson Reuters - America	RUSIND	DEVICE
Thomson Reuters - America	RUSIRTDIF	NON BILLABLE INDIRECT
Savvis	SAVNBDF	NON BILLABLE INDIRECT
Credit Suisse	SCHIFP	DEVICE
SIX Financial Information	TAGBCIF	DEVICE
SIX Financial Information	TAGDF	INDIRECT
SIX Financial Information	TAGFIMS	DEVICE
SIX Financial Information	TAGITIF2	DEVICE
SIX Financial Information	TAGNBDF	NON BILLABLE INDIRECT
SIX Financial Information	TAGNBDSVIF	NON BILLABLE INDIRECT
SIX Financial Information	TAGSF2	DEVICE
SIX Financial Information	TAGSVNB	NON BILLABLE INDIRECT
Eze Castle Software LLC	TALIF	DEVICE
Trade Alert	TALIFP	DEVICE
Trade Alert	TALNBDF	NON BILLABLE INDIRECT
Morningstar Real Time Data Ltd	TIBDF	INDIRECT
Morningstar Real Time Data Ltd	TIBIF	DEVICE
Morningstar Real Time Data Ltd	TIBIND	DEVICE
Morningstar Real Time Data Ltd	TIBNBDF	NON BILLABLE INDIRECT
Telemet America	TLMIF	DEVICE
Telekurs U.K.	TLUIF	DEVICE
Transactions Netwk Serv.	TNSDF	INDIRECT
Transactions Netwk Serv.	TNSIND	DEVICE
Transactions Netwk Serv.	TNSNBDF	NON BILLABLE INDIRECT
Morgan Stanley Product	TRADEXL	EXTERNAL DEVICE
TradingScreen	TRSCIFP	DEVICE
SS&C Technologies	TWCIFP	DEVICE
Spiderock (Velocitick)	VELDF	INDIRECT
Spiderock (Velocitick)	VELIFP	DEVICE
Spiderock (Velocitick)	VELIND	DEVICE
Spiderock (Velocitick)	VELNBDF	NON BILLABLE INDIRECT
vwd Vereinigte Wirtschaftsdien	VWDDDF	DELAYED
vwd Vereinigte Wirtschaftsdien	VWDDF	INDIRECT
vwd Vereinigte Wirtschaftsdien	VWDIF	DEVICE
vwd Vereinigte Wirtschaftsdien	VWDBNDF	NON BILLABLE INDIRECT
Worden Brothers	WORDIF	DEVICE
TradeStation Technologies	WOWIF	DEVICE
Wolverine Trading	WT1IFP	DEVICE

Xignite, Inc
Xignite, Inc
Xignite, Inc

XI2DF
XI2IND
XI2NBDF

INDIRECT
DEVICE
NON BILLABLE INDIRECT