

Additions underscored

Deletions [bracketed]

New York Stock Exchange LLC
NYSE American LLC
NYSE Arca, Inc.
NYSE Chicago, Inc.
NYSE National, Inc.

Mahwah Wireless, Circuits, and Non-Colocation Connectivity Fees and Charges

Last Updated: [December 14, 2020] **●**, 2021

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C. Mahwah Circuits

<u>Type of Service</u>	<u>Amount of Charge</u>
<u>Optic Access Circuit - 1 Gb</u>	<u>\$1,500 initial charge plus</u> <u>\$1,500 monthly charge</u>
<u>Optic Access Circuit - 10 Gb</u>	<u>\$5,000 initial charge plus</u> <u>\$2,500 monthly charge</u>
<u>Optic Access Circuit - 40 Gb</u>	<u>\$5,000 initial charge plus</u> <u>\$6,000 monthly charge</u>
<u>Optic Low Latency Circuit - 1 Gb</u>	<u>\$1,500 initial charge plus</u> <u>\$2,750 monthly charge</u>
<u>Optic Low Latency Circuit - 10 Gb</u>	<u>\$5,000 initial charge plus</u> <u>\$3,950 monthly charge</u>
<u>Optic Low Latency Circuit - 40 Gb</u>	<u>\$5,000 initial charge plus</u> <u>\$8,250 monthly charge</u>

D. Non-Colocation (“NCL”) Services

<u>IDS Network Ports</u> (see Note 1)		
<u>Type of Service</u>	<u>Description</u>	<u>Amount of Charge</u>
<u>NCL IDS Network Access - 10 Gb</u>	<u>10 Gb IDS Network port</u>	<u>\$10,000 initial charge plus</u> <u>\$15,250 monthly charge</u>

<u>NCL IDS Network Access - 40 Gb</u>	<u>40 Gb IDS Network port</u>	<u>\$10,000 initial charge plus \$19,750 monthly charge</u>
<u>Connectivity to Third Party Systems over IDS Network (see Note 2)</u>		
<u>Description</u>	<u>Amount of Charge</u>	
<u>1Mb</u>	<u>\$200 per connection monthly charge</u>	
<u>3Mb</u>	<u>\$400 per connection monthly charge</u>	
<u>5Mb</u>	<u>\$500 per connection monthly charge</u>	
<u>10Mb</u>	<u>\$800 per connection monthly charge</u>	
<u>25Mb</u>	<u>\$1,200 per connection monthly charge</u>	
<u>50Mb</u>	<u>\$1,800 per connection monthly charge</u>	
<u>100Mb</u>	<u>\$2,500 per connection monthly charge</u>	
<u>200Mb</u>	<u>\$3,000 per connection monthly charge</u>	
<u>1Gb</u>	<u>\$3,500 per connection monthly charge</u>	
<u>Connectivity to Third Party Data Feeds over the IDS Network (see Note 3)</u>		
<u>Description</u>	<u>Monthly Charge</u>	
<u>BM&F Bovespa</u>	<u>\$3,000</u>	
<u>Boston Options Exchange (BOX)</u>	<u>\$1,000</u>	
<u>Canadian Securities Exchange (CSE)</u>	<u>\$1,000</u>	
<u>Cboe BZX Exchange (CboeBZX) and Cboe BYX Exchange (CboeBYX)</u>	<u>\$2,000</u>	
<u>Cboe EDGX Exchange (CboeEDGX) and Cboe EDGA Exchange (CboeEDGA)</u>	<u>\$2,000</u>	
<u>Cboe Exchange (Cboe) and Cboe C2 Exchange (C2)</u>	<u>\$2,000</u>	
<u>CME Group</u>	<u>\$3,000</u>	
<u>Euronext Optiq Compressed Cash</u>	<u>\$900</u>	
<u>Euronext Optiq Compressed Derivatives</u>	<u>\$600</u>	
<u>Euronext Optiq Shaped Cash</u>	<u>\$1,200</u>	
<u>Euronext Optiq Shaped Derivatives</u>	<u>\$900</u>	
<u>Financial Industry Regulatory Authority (FINRA)</u>	<u>\$500</u>	
<u>Global OTC</u>	<u>\$100</u>	
<u>ICE Data Services Consolidated Feed ≤ 100 Mb</u>	<u>\$200</u>	
<u>ICE Data Services Consolidated Feed > 100 Mb to ≤1 Gb</u>	<u>\$500</u>	
<u>ICE Data Services Consolidated Feed > 1 Gb</u>	<u>\$1,000</u>	

<u>ICE Data Services Consolidated Feed Shared Farm ≤ 100Mb</u>	<u>\$200</u>	
<u>ICE Data Services Consolidated Feed Shared Farm > 100 Mb to < 1 Gb</u>	<u>\$500</u>	
<u>ICE Data Services Consolidated Feed Shared Farm > 1 Gb</u>	<u>\$1,000</u>	
<u>ICE Data Services - ICE TMC</u>	<u>\$200</u>	
<u>ICE Data Services PRD</u>	<u>\$200</u>	
<u>ICE Data Services PRD CEP</u>	<u>\$400</u>	
<u>Intercontinental Exchange (ICE)</u>	<u>\$1,500</u>	
<u>Investors Exchange (IEX)</u>	<u>\$1,000</u>	
<u>ITG TriAct Matchnow</u>	<u>\$1,000</u>	
<u>Members Exchange (MEMX)</u>	<u>\$3,000</u>	
<u>MIAX Emerald</u>	<u>\$3,500</u>	
<u>MIAX Options/MIAX PEARL Options</u>	<u>\$2,000</u>	
<u>MIAX PEARL Equities</u>	<u>\$2,500</u>	
<u>Montréal Exchange (MX)</u>	<u>\$1,000</u>	
<u>MSCI 5 Mb</u>	<u>\$500</u>	
<u>MSCI 25 Mb</u>	<u>\$1,200</u>	
<u>NASDAQ Stock Market</u>	<u>\$2,000</u>	
<u>NASDAQ OMX Global Index Data Service</u>	<u>\$100</u>	
<u>NASDAQ UQDF & UTDF</u>	<u>\$500</u>	
<u>NASDAQ Canada (CXC, CXD, CX2)</u>	<u>\$1,500</u>	
<u>NASDAQ ISE</u>	<u>\$1,000</u>	
<u>Neo Aequitas</u>	<u>\$1,200</u>	
<u>Omega</u>	<u>\$1,000</u>	
<u>OneChicago</u>	<u>\$1,000</u>	
<u>OTC Markets Group</u>	<u>\$1,000</u>	
<u>Vela – SuperFeed <500 Mb</u>	<u>\$250</u>	
<u>Vela – SuperFeed >500 Mb to <1.25 Gb</u>	<u>\$800</u>	
<u>Vela – SuperFeed >1.25 Gb</u>	<u>\$1,000</u>	
<u>TMX Group</u>	<u>\$2,500</u>	
<u>Connectivity to Third Party Testing and Certification Feeds</u>		
<u>\$100 monthly recurring charge per feed</u>		
<u>Connectivity to DTCC</u>		
<u>Description</u>	<u>Amount of Charge</u>	
<u>5 Mb connection to DTCC</u>	<u>\$500 monthly recurring charge</u>	
<u>50 Mb connection to DTCC</u>	<u>\$2,500 monthly recurring charge</u>	
<u>NCL NMS Network Ports (see Note 4)</u>		
<u>Type of Service</u>	<u>Description</u>	<u>Amount of Charge</u>

<u>NCL NMS Network Access - 10 Gb</u>	<u>10 Gb NCL NMS Network port</u>	<u>\$10,000 initial charge plus \$11,000 monthly charge</u>
<u>NCL NMS Network Access - 40 Gb</u>	<u>40 Gb NCL NMS Network port</u>	<u>\$10,000 initial charge plus \$18,000 monthly charge</u>
<u>Other Services</u>		
<u>Type of Service</u>	<u>Description</u>	<u>Amount of Charge</u>
<u>NCL Cross Connect</u>	<u>Furnish and install one cross-connect</u>	<u>\$500 initial charge plus \$600 monthly charge</u>
<u>NCL Expedite Fee</u>	<u>Expedited installation/ completion of a customer's NCL service</u>	<u>\$4,000 per request</u>
<u>NCL Change Fee</u>	<u>Change to an NCL service that has already been installed/ completed for a customer</u>	<u>\$950 per request</u>

NCL Notes

Note 1: IDS Network

When an NCL Customer purchases access to the IDS Network, it receives the ability to access the trading and execution systems of the NYSE, NYSE American, NYSE Arca, NYSE Chicago, and NYSE National (together, the Exchange Systems) as well as of Global OTC (the Global OTC System), subject, in each case, to authorization by the NYSE, NYSE American, NYSE Arca, NYSE Chicago, NYSE National, or Global OTC, as applicable. Each Exchange listed above offers access to its Exchange Systems to its members and Global OTC offers access to the Global OTC System to its subscribers, such that an NCL Customer does not have to purchase a service that includes access to the IDS Network to obtain access to Exchange Systems or the Global OTC System.

When an NCL Customer purchases access to the IDS Network, it receives connectivity to any of the Included Data Products that it selects, subject to any necessary technical provisioning requirements, authorization, and licensing by the provider of the Included Data Feed. Fees for the Included Data Products are charged by the provider of such Included Data Products. An NCL Customer can change the Included Data Products to which it receives connectivity at any time, subject to authorization from the provider of such Included Data Product. Because access to the IDS Network is not the exclusive method to connect to the Included Data Products, an NCL Customer does not have to purchase a service that includes access to the IDS Network to connect to such Included Data Products.

The Included Data Products are as follows:

<u>NMS feeds</u>
<u>CTS</u>
<u>CQS</u>
<u>OPRA</u>
<u>NYSE</u>
<u>NYSE American</u>
<u>NYSE American Options</u>
<u>NYSE Arca</u>
<u>NYSE Arca Options</u>
<u>NYSE Best Quote and Trades (BQT)</u>
<u>NYSE Bonds</u>
<u>NYSE Chicago</u>
<u>NYSE National</u>

Note 2: Third Party Systems

When an NCL Customer purchases a connection that includes access to Third Party Systems, it receives access to Third Party Systems it selects, subject to any technical provisioning requirements, authorization, and licensing from such Third Party System. Fees for the Third Party Systems are charged by the provider of such Third Party System. The Exchange is not the exclusive method to connect to Third Party Systems. The Third Party Systems are as follows:

<u>Third Party Systems</u>
<u>Americas Trading Group (ATG)</u>
<u>BM&F Bovespa</u>
<u>Boston Options Exchange (BOX)</u>
<u>Canadian Securities Exchange (CSE)</u>
<u>Cboe BYX Exchange (CboeBYX), Cboe BZX Exchange (CboeBZX), Cboe EDGA Exchange (CboeEDGA), and Cboe EDGX Exchange (CboeEDGX)</u>
<u>Cboe Exchange (Cboe) and Cboe C2 Exchange (C2)</u>
<u>Chicago Mercantile Exchange (CME Group)</u>
<u>Credit Suisse</u>
<u>Euronext Optiq Cash and Derivatives Unicast (EUA)</u>
<u>Euronext Optiq Cash and Derivatives Unicast (Production)</u>
<u>Investors Exchange (IEX)</u>
<u>ITG TriAct Matchnow</u>
<u>Long Term Stock Exchange (LTSE)</u>
<u>Members Exchange (MEMX)</u>
<u>MIAX Options, MIAX PEARL Options, MIAX PEARL Equities, and MIAX Emerald</u>
<u>Morgan Stanley</u>
<u>Nasdaq</u>

<u>NASDAQ Canada (CXC, CXD, CX2)</u>
<u>NASDAQ ISE</u>
<u>Neo Aequitas</u>
<u>NYFIX Marketplace</u>
<u>Omega</u>
<u>OneChicago</u>
<u>OTC Markets Group</u>
<u>TD Ameritrade</u>
<u>TMX Group</u>

Note 3: Connectivity to Third Party Data Feeds

Pricing for data feeds from third party markets and other service providers (Third Party Data Feeds) is for connectivity only. Connectivity to Third Party Data Feeds is subject to any technical provisioning requirements, authorization, and licensing from the provider of the data feed. Connectivity to Third Party Data Feeds is over the IDS Network. Fees for Third Party Data Feeds are charged by the provider of such data feeds. Third Party Data Feed providers may charge redistribution fees. When IDS is charged a redistribution fee, IDS passes the charge through to the customer, without change to the fee. The fee is labeled as a pass-through of a redistribution fee on the customer's invoice. IDS does not charge third party markets or content providers for connectivity to their own feeds. IDS is not the exclusive method to connect to Third Party Data Feeds.

Note 4: NMS Network

When an NCL Customer purchases access to the NMS Network, upon its request, it will receive connectivity to any of the NMS feeds that it selects, subject to any necessary technical provisioning requirements, authorization, and licensing from the provider of such NMS feed. Fees for the NMS feeds are charged by the provider of such NMS feed. The NMS feeds are as follows:

<u>NMS feeds</u>
<u>CTS</u>
<u>CQS</u>
<u>OPRA</u>
