SECURITIES AND EXCHANGE COMMISSION


Self-Regulatory Organizations; NYSE Arca, Inc.; Notice of Filing of Partial Amendment No. 1 to Proposed Rule Change to Amend the Schedule of Wireless Connectivity Fees and Charges to Add Wireless Connectivity Services

August 3, 2020

I. Introduction

On February 11, 2020, NYSE Arca, Inc. ("NYSE Arca" or "Exchange") filed with the Securities and Exchange Commission ("Commission"), pursuant to Section 19(b)(1) of the Securities Exchange Act of 1934 ("Exchange Act" or "Act")\(^1\) and Rule 19b-4 thereunder,\(^2\) a proposed rule change (SR-NYSEArca-2020-15) to amend the schedule of Wireless Connectivity Fees and Charges ("Wireless Fee Schedule") to add wireless connectivity services that transport the market data of the Exchange and certain affiliates.

The Commission published the proposed rule change for public comment in the Federal Register on February 25, 2020.\(^3\) The Commission received several comments on the proposed rule change.

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rule change, and a response from the Exchange. On April 1, 2020, pursuant to Section 19(b)(2) of the Act, the Commission designated a longer period within which to either approve the proposed rule change, disapprove the proposed rule change, or institute proceedings to determine whether to disapprove the proposed rule change. On May 18, 2020, the Commission instituted proceedings to determine whether to approve or disapprove the proposed rule change. The Commission received additional comments in response to the Order Instituting Proceedings.

On July 27, 2020, the Exchange filed Partial Amendment No. 1 to the proposed rule change in response to certain comments on the proposed rule change. Partial Amendment No. 1 is described in Item II below, which has been substantially prepared by the Exchange. The Commission is publishing this notice to solicit comments on Partial Amendment No. 1 from interested persons.

4 Comments received on the Wireless II Notice and the Exchange’s response are available on the Commission’s website at: https://www.sec.gov/comments/sr-nysearca-2020-15/srnysearca202015.htm.


6 See Securities Exchange Act Release No. 88540 (April 1, 2020), 85 FR 19562 (April 7, 2020). The Commission designated May 25, 2020, as the date by which it should approve, disapprove, or institute proceedings to determine whether to disapprove the proposed rule changes.


8 Comments received on the Wireless II Notice following the OIP also are available on the Commission’s website at: https://www.sec.gov/comments/sr-nysearca-2020-15/srnysearca202015.htm.

9 The Commission has reformatted the Exchange’s presentation of the footnotes.

II. Self-Regulatory Organization’s Statement of the Terms of Substance of the Proposed Amendment

NYSE Arca, Inc. (“NYSE Arca” or the “Exchange”) hereby submits this Partial Amendment No. 1 to the above-referenced filing (“Filing”) in connection with the proposed rule change to add wireless connectivity that transport the market data of the Exchange and certain affiliates to the schedule of Wireless Connectivity Fees and Charges (the “Wireless Fee Schedule”). With this Partial Amendment No. 1, the Exchange proposes a new rule to place restrictions on the use of a pole on the grounds of the Mahwah, New Jersey data center that is used for wireless connectivity services that transport the market data of the Exchange and certain of its affiliates.

The Exchange proposes the following amendments to the Filing:

1. **The Exchange proposes to amend the first paragraph in Item 1(a) on page 3 of the Filing:**

   The Exchange proposes to amend the first paragraph of Item 1(a) on page 3 of the Filing to add “(a)” before “wireless connectivity services” and add new text at the end of the paragraph to describe the proposed rule change, as follows (new text italicized):

   Pursuant to the provisions of Section 19(b)(1) of the Securities Exchange Act of 1934 (the “Act”)¹ and Rule 19b-4 thereunder,² NYSE Arca, Inc. (“NYSE Arca” or the “Exchange”) proposes to add (a) wireless connectivity services that transport the market data of the Exchange and certain affiliates to the schedule of Wireless Connectivity Fees and Charges (the “Wireless Fee Schedule”); and (b) a new rule to place restrictions on the

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¹ Jersey data center and other data centers (“Wireless I”) and concurrently proposes to partially amend Wireless I). Partial Amendment No. 1 to Wireless I is available on the Commission’s website at: https://www.sec.gov/comments/sr-nysearca-2020-08/srnysearca202008.htm.
use of a pole on the grounds of the Mahwah, New Jersey data center that is used for such wireless connectivity services.

2. The Exchange proposes to amend the carryover paragraph on pages 3 and 4 of the Filing (second full paragraph on page 24 of the Exhibit 1):

The Exchange proposes to add amend the carryover paragraph on pages 3 and 4 of the Filing (second full paragraph on page 24 of the Exhibit 1) to add “(a)” before “wireless connectivity services” and add new text to describe the proposed rule change, as follows (new text italicized, deletion in [brackets]):

The Exchange proposes to add (a) wireless connectivity services that transport market data of the Exchange and its affiliates the New York Stock Exchange LLC (“NYSE”) and NYSE National, Inc. (“NYSE National”) to the Wireless Fee Schedule[...], (b) a new rule to place restrictions on the use of a pole on the grounds of the Mahwah, New Jersey data center that is used for such wireless connectivity services.

3. The Exchange proposes to add a new section titled “Proposed New Rule” and accompanying footnotes after the first full paragraph on page 14 of the Filing (first full paragraph on page 40 of the Exhibit 1):

The Exchange proposes a new rule to place restrictions on the use of a pole on the grounds of the Mahwah, New Jersey data center that is used for wireless connectivity services. Accordingly, the Exchange proposes to add a new section titled “Proposed New Rule” and accompanying footnotes (subsequent footnotes would be renumbered in a conforming change) after the first full paragraph on page 14 of the Filing (first full paragraph on page 40 of the Exhibit 1), after the end of the section titled “The Proposed Service and Fees,” as follows (all text is new):

Proposed New Rule
Since 2016, IDS has had the use of a pole on the grounds of the Mahwah data center.\textsuperscript{27/28} The data center pole is part of the network utilized for the Wireless Market Data Connections to the Carteret and Secaucus Third Party Data Centers.\textsuperscript{28/29} At the data center pole, the wireless connection to the Third Party Data Centers converts to a fiber connection, and the fiber connection travels from the data center pole into the Mahwah data center.\textsuperscript{29/30} The equipment on the data center pole belongs to IDS and Anova Technologies, LLC (“Anova”), the non-ICE entity that owns the wireless network used for the Wireless Market Data Connections to Secaucus and Carteret.\textsuperscript{30/31}

Other third parties that offer wireless services utilize commercial poles located outside the grounds of the Mahwah, New Jersey data center for their wireless networks. A third party’s wireless connections to the Third Party Data Center convert to fiber connections at the commercial pole, and the fiber connects the commercial pole to the Mahwah data center.

Several such third parties have objected to the use of the data center pole for the Wireless Market Data Connections. They argue that IDS has an advantage over its competitors because third parties are not allowed access to the data center pole,\textsuperscript{31/32} and the data center pole is closer to the Mahwah data center than any commercial pole.\textsuperscript{32/33} At least one third party has raised the additional concern that the Wireless Market Data Connections may benefit from “less obvious and more discreet types of latency advantages” due to infrastructure inside the Mahwah data center, noting that “some connections may have a longer fiber route than others within a data center or may have to go through various equipment or meet me rooms that an affiliate or preferred provider of an exchange do not.”\textsuperscript{33/34}
The Exchange is proposing a new Rule 3.14 (Data Center Pole Latency Restrictions--Connectivity to Production of Exchange Market Data) that would require that the length of the connection from the data center pole to the point inside the Mahwah data center where Exchange market data is produced be no less than the length of the connection from the closest commercial pole to the same point. By requiring that the compared connections both extend to where Exchange market data is produced, the proposed rule would take distances within the Mahwah data center into account.

The proposed rule would include the following definitions:

- “Commercial Pole” would mean a pole (a) on which one or more third parties locate wireless equipment used to offer wireless connectivity to other third parties, and (b) from which a fiber connection extends from third party equipment on the pole to the Data Center.
- “Data Center” would mean the Mahwah, New Jersey data center where the Exchange’s matching engine is located, or its successor.
- “Data Center Pole” would mean a pole that (a) holds wireless equipment, (b) is located within the grounds of the Data Center, and (c) cannot be used by third parties other than third parties with which the Exchange or an ICE Affiliate has an agreement to provide services in the name of the Exchange or an ICE Affiliate.
- “ICE Affiliate” would mean Intercontinental Exchange, Inc. (“ICE”) and any entity that directly or indirectly, through one or more intermediaries, controls, is controlled by, or is under common control with ICE, where “control” means that one entity possesses, directly or indirectly, voting control of the other entity either through ownership of capital stock or other equity securities or through majority
representation on the board of directors or other management body of such entity.

The proposed rule would require that:

the length of the connection between (a) the base of the Data Center Pole and (b) the point inside the Data Center where Exchange market data is produced shall be no less than the length of the connection between (x) the base of the closest Commercial Pole and (y) the point inside the Data Center where Exchange market data is produced.

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| 28/29 | The Wireless Market Data Connections with Markham, Canada do not use equipment on the data center pole. |
| 29/30 | The wireless network similarly converts to a fiber connection for its connection into the Third Party Data Centers. |
| 30/31 | Equipment for services Anova offers under its own name is not allowed on the data center pole. |
| 31/32 | IDS does not sell rights to third parties to operate wireless equipment on the data center pole due to space limitations, security concerns, and the interference that would arise between equipment placed too closely together. |
| 33/34 | McKay Letter, supra note 32/33, at 9. |

4. The Exchange proposes to add new text after the first full paragraph on page 16 of the Filing (first full paragraph on page 42 of the Exhibit 1):
The Exchange proposes to amend the Filing to include additional analysis on the competitive environment for wireless connections. Accordingly, the Exchange proposes to add a paragraph and accompanying footnotes (subsequent footnotes would be renumbered in a conforming change) after the first full paragraph on page 16 of the Filing (first full paragraph on page 42 of the Exhibit 1), as follows (all text is new):

Such competitors can offer wireless connectivity to Selected Market Data or other Exchange market data in the Third Party Data Centers by obtaining the market data at the Mahwah data center and sending it over their wireless network to the Third Party Data Centers.\(^{37/38}\) The Exchange believes that its competitors’ wireless connections provide connectivity at the same or similar speed as the Wireless Market Data Connections, and at the same or similar cost. Indeed, the McKay Letter acknowledges that McKay Brothers has the fastest wireless network.\(^{38/39}\)

\(^{37/38}\) A market participant in any of the Third Party Data Centers or the Mahwah data center also may create a proprietary wireless market data connection, connect through another market participant, or utilize fiber connections offered by the Exchange, ICE Affiliates, and other service providers and third party telecommunications providers.

\(^{38/39}\) McKay Letter, supra note 32/33, at 4.

5. **The Exchange proposes to amend the Statutory Basis section of the Filing after the fourth full paragraph on page 18 of the Filing (third full paragraph on page 46 of the Exhibit 1):**

The Exchange proposes to include information in the Filing regarding why it believes the proposed new rule is reasonable. The Exchange proposes to amend the Statutory Basis section of the Filing to add new paragraphs and accompanying footnotes (subsequent footnotes would be renumbered in a conforming change) after the fourth full paragraph on page 18 of the Filing
The Exchange believes that the proposed new Rule 3.14 would be reasonable as, pursuant to the rule, the networks for the Wireless Market Data Connections, and future wireless connections that use a Data Center Pole, would “operat[e] in the same manner as competitors do today without a latency subsidy or other advantage provided by the Exchange…” Accordingly, the proposed new rule would promote just and equitable principles of trade and, in general, protect investors and the public interest by ensuring that the subscribers to services using the IDS wireless network do not benefit from any physical proximity “on the segment [of the network] closest to the Exchanges’ data center that no competitor can replicate.” By ending both of the compared connections at the point inside the Data Center where Exchange market data is produced, the proposed rule would take distances within the Mahwah data center into account. The proposed new rule would not apply differently to distinct types or sizes of market participants. The Exchange would be required to ensure that the length of the connection between (a) the base of the Data Center Pole and (b) the point inside the Data Center where Exchange market data is produced, would be no less than the length of the connection between (x) the base of the closest Commercial Pole and (y) the point inside the Data Center where Exchange market data is produced. The Exchange believes that the proposed definition of “Commercial Pole” is reasonable and would promote just and equitable principles of trade because it would encompass any pole on which a third party locates its wireless equipment in order to offer wireless connectivity to customers. The Exchange believes that such third parties are the direct
competitors for the Wireless Market Data Connections, as they also offer wireless
connections to customers. If a third party used a pole for a proprietary wireless network
and that pole does not have one or more third parties’ wireless equipment used to offer
wireless connectivity to other third parties, that pole would not fall within the scope of
the definition of Commercial Pole.

The Exchange believes that the proposed definition of “Data Center” is reasonable and
would promote just and equitable principles of trade because it would capture any data
center to which the Exchange locates its matching engine.

The Exchange believes that the proposed definition of “Data Center Pole” is reasonable
and would promote just and equitable principles of trade because it would encompass not
just the current pole, but also any additional or successor pole on the grounds of the Data
Center, so long as such pole could not be used by third parties other than third parties
with which the Exchange or an ICE Affiliate had an agreement to provide services in the
name of the Exchange or an ICE Affiliate, such as Anova.

The Exchange believes that the definition of “ICE Affiliate” is reasonable and would
promote just and equitable principles of trade because the same definition is used in Rule
5.1-E(c) (Listing of an Affiliate or Entity that Operates and/or Owns a Trading System or
Facility of the Exchange), and so using it would add transparency, clarity and internal
consistency to Exchange rules.

43/44 McKay Letter, supra note 32/33, at 7.
44/45 Id, at note 33.
45/46 Each of the Affiliate SROs is filing for a rule change that is substantially similar to the
proposed Exchange rule. Assuming such filings are approved by the Commission, to the
extent that the market data of an Affiliate SRO is produced separately from where the
Exchange market data is produced, the wireless connection to that Affiliate SRO’s
market data would be captured by that Affiliate SRO’s rule.
6. The Exchange proposes to amend the Statutory Basis section of the Filing after the carry-over paragraph on pages 19 and 20 of the Filing (second full paragraph on page 48 of the Exhibit 1):

The Exchange proposes to include information in the Filing regarding why it believes the proposed new rule is not unfairly discriminatory. The Exchange proposes to amend the Statutory Basis section of the Filing to add new paragraphs and accompanying footnotes (subsequent footnotes would be renumbered in a conforming change) after the carry-over paragraph on pages 19 and 20 of the Filing (second full paragraph on page 48 of the Exhibit 1), immediately prior to the last paragraph of the section titled “The Proposed Change is Not Unfairly Discriminatory,” as follows (all text is new):

The Exchange believes that the proposed new Rule 3.14 would not be unfairly discriminatory, as pursuant to the rule, the networks for the Wireless Market Data Connections, and future wireless connections that use the Data Center Pole, would “operat[e] in the same manner as competitors do today without a latency subsidy or other advantage provided by the Exchanges….“ Accordingly, the proposed new rule would ensure that the IDS wireless network does not benefit from physical proximity “on the segment [of the network] closest to the Exchanges’ data center that no competitor can replicate. “ By ending both of the compared connections at the point inside the Data Center where Exchange market data is produced, the proposed rule would take distances within the Mahwah data center into account.

The proposed new rule would not apply differently to distinct types or sizes of market participants. The Exchange would be required to ensure that the length of the connection between (a) the base of the Data Center Pole and (b) the point inside the Data Center
where Exchange market data is produced, would be no less than the length of the connection between (x) the base of the closest Commercial Pole and (y) the point inside the Data Center where Exchange market data is produced.

The Exchange believes that the proposed definition of “Commercial Pole” would not be unfairly discriminatory because it would encompass any pole on which a third party locates its wireless equipment in order to offer wireless connectivity to customers. The Exchange believes that such third parties are the direct competitors for the Wireless Market Data Connections, as they also offer wireless connections to customers. If a third party used a pole for a proprietary wireless network and that pole does not have one or more third parties’ wireless equipment used to offer wireless connectivity to other third parties, that pole would not fall within the scope of the definition of Commercial Pole.

The Exchange believes that the proposed definition of “Data Center” would not be unfairly discriminatory because it would capture any data center to which the Exchange locates its matching engine.

The Exchange believes that the proposed definition of “Data Center Pole” would not be unfairly discriminatory because it would encompass not just the current pole, but also any additional or successor pole on the grounds of the Data Center, so long as such pole could not be used by third parties other than third parties with which the Exchange or an ICE Affiliate had an agreement to provide services in the name of the Exchange or an ICE Affiliate, such as Anova.

The Exchange believes that the definition of “ICE Affiliate” would not be unfairly discriminatory because the same definition is used in Rule 5.1-E(c) and so using it would add transparency, clarity and internal consistency to Exchange rules.
7. The Exchange proposes to amend the section of the Filing titled “Self-Regulatory Organization’s Statement on Burden on Competition” in the following two ways:

The Exchange proposes to include information in the Filing regarding why it believes the proposed new rule would impose any burden on competition that is not necessary or appropriate in furtherance of the purposes of Section 6(b)(8) of the Securities Exchange Act of 1934 (the “Act”). Accordingly, the Exchange proposes to amend the section of the Filing titled “Self-Regulatory Organization’s Statement on Burden on Competition” in the following two ways. First, to set the new text apart from the previous discussion regarding the burden on competition, the Exchange proposes to add the heading “Wireless Market Data Connectivity” immediately before the first full paragraph under the heading on page 20 of the Filing (page 49 of the Exhibit 1). The new heading would apply to the current text of the Filing. Second, after the first full paragraph on page 22 of the Filing (first full paragraph on page 51 of the Exhibit 1), the Exchange proposes to add the heading “Proposed New Rule” and new paragraphs and accompanying footnotes (subsequent footnotes would be renumbered in a conforming change), as follows (all text is new):

**Proposed New Rule**

The Exchange does not believe that the proposed new rule would impose any burden on competition that is not necessary or appropriate in furtherance of the purposes of Section 6(b)(8) of the Act. With the exception of Anova, third parties do not have access to the data center pole.

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Under the proposed rule, the Exchange would always be obligated to ensure that the length of the connection between (a) the base of the Data Center Pole and (b) the point inside the Data Center where Exchange market data is produced, would be no less than the length of the connection between (x) the base of the closest Commercial Pole and (y) the point inside the Data Center where Exchange market data is produced.

IDS, not the Exchange, provides the Wireless Market Data Connections to market participants, and so it would be IDS that would have to slow its connection down as required by the rule. Accordingly, the Exchange believes that the only burden on competition of the proposed change would be on IDS.

Nonetheless, the Exchange believes that the proposed rule change would not impose any burden on competition that is not necessary or appropriate because the proposed change would ensure that the IDS wireless network did not benefit from physical proximity “on the segment [of the network] closest to the Exchanges’ data center that no competitor can replicate.” The networks for the Wireless Market Data Connections, and future wireless connections that use the Data Center Pole, would “operat[e] in the same manner as competitors do today without a latency subsidy or other advantage provided by the Exchanges….”

The proposed rule would not otherwise put a burden on competition. As noted above, access to the data center pole is not required for third parties to establish wireless networks that can compete with the Wireless Market Data Connections to the Carteret and Secaucus Third Party Data Centers, as evidenced by the existing wireless connections offered by third party competitors. Such competitors can offer wireless connectivity to Selected Market Data or other Exchange market data in the Third Party...
Data Centers by obtaining the market data at the Mahwah data center and sending it over their wireless network to the Third Party Data Centers. Indeed, the Exchange believes that its competitors’ wireless connections provide connectivity at the same or similar speed as the Wireless Market Data Connections, and at the same or similar cost. The McKay Letter acknowledges that McKay Brothers has the fastest wireless network.

The Exchange notes that proximity to a data center is not the only determinant of a wireless network’s latency. Rather, the latency of a wireless network depends on several factors. Variables include the wireless equipment utilized; the route of, and number of towers or buildings in, the network; and the fiber equipment used at either end of the connection. Moreover, latency is not the only consideration that a customer may have in selecting a wireless network to connect to for market data. Other considerations may include the amount of network uptime; the equipment that the network uses; the cost of the connection; and the applicable contractual provisions.

The proposed change does not affect competition among national securities exchanges or among members of the Exchange, but rather between IDS and its commercial competitors.

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51/52 McKay Letter, supra note 32/33, at note 33.
52/53 Id., at 7.
53/54 Based on the information available to it, the Exchange believes that a market participant in the Carteret or Secaucus Third Party Data Center may purchase a wireless connection to the NYSE and NYSE Arca Integrated Feed data feeds from at least two other providers of wireless connectivity.
54/55 A market participant in any of the Third Party Data Centers or the Mahwah data center also may create a proprietary wireless market data connection, connect through another market participant, or utilize fiber connections offered by the Exchange, ICE Affiliates, and other service providers and third party telecommunications providers.
55/56 Id., at 4.
8. **The Exchange proposes to add a list under “Exhibit 5 – Text of the Proposed Rule Change” on page 23 of the Filing:**

The Exchange proposes to add a new Exhibit 5B. Accordingly, the Exchange proposes to add a list under “Exhibit 5 – Text of Proposed Rule Change” on page 22 of the Filing, as follows (new text italicized):

Exhibit 5 – Text of the Proposed Rule Change

A. Text of the Proposed Schedule of Wireless Connectivity Fees and Charges

B. Text of the Proposed Rule

9. **The Exchange proposes to add new text to the first full paragraph of Section I on page 24 of the Exhibit 1:**

The Exchange proposes to add new text to the first full paragraph of Section I on page 24 of the Exhibit 1, as follows (new text italicized):

The Exchange proposes to add wireless connectivity services that transport the market data of the Exchange and certain affiliates to the schedule of Wireless Connectivity Fees and Charge (the “Wireless Fee Schedule”) and add a new rule to place restrictions on the use of a pole on the grounds of the Mahwah, New Jersey data center that is used for such wireless connectivity services. The proposed rule change is available on the Exchange’s website at www.nyse.com, at the principal office of the Exchange, and at the Commission’s Public Reference Room.

10. **The Exchange proposes to amend “Exhibit 5” to “Exhibit 5A” on page 55 of the Exhibit 5:**
To reflect the addition of a new Exhibit 5B, the Exchange proposes to add “A” to “EXHIBIT 5” on page 55 of the Exhibit 5, to make it “EXHIBIT 5A”.

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All other representations in the Filing remain as stated therein and no other changes are being made.

III. Date of Effectiveness of the Proposed Rule Change As Modified By Partial Amendment No. 1 and Timing for Commission Action

Within 180 days after the date of publication of the initial Notice of Filing in the Federal Register or within such longer period up to an additional 60 days (i) as the Commission may designate if it finds such longer period to be appropriate and publishes its reasons for so finding or (ii) as to which the self-regulatory organization consents, the Commission will issue an order approving or disapproving such proposed rule change, as amended.

IV. Solicitation of Comments

Interested persons are invited to submit written data, views, and arguments concerning the foregoing, including whether the proposed rule change, as amended by Partial Amendment No. 1, is consistent with the Act. Comments may be submitted by any of the following methods:

Electronic comments:

- Use the Commission’s Internet comment form (http://www.sec.gov/rules/sro.shtml); or
- Send an e-mail to rule-comments@sec.gov. Please include File Number SR-NYSEArca-2020-15 on the subject line.

Paper comments:

- Send paper comments in triplicate to Secretary, Securities and Exchange Commission, 100 F Street, NE, Washington, DC 20549-1090.
All submissions should refer to File Number SR-NYSEArca-2020-15. This file number should be included on the subject line if e-mail is used. To help the Commission process and review your comments more efficiently, please use only one method. The Commission will post all comments on the Commission’s Internet website (http://www.sec.gov/rules/sro.shtml). Copies of the submission, all subsequent amendments, all written statements with respect to the proposed rule change that are filed with the Commission, and all written communications relating to the proposed rule change between the Commission and any person, other than those that may be withheld from the public in accordance with the provisions of 5 U.S.C. 552, will be available for website viewing and printing in the Commission’s Public Reference Room, 100 F Street, NE, Washington, DC 20549, on official business days between the hours of 10:00 a.m. and 3:00 p.m. Copies of the filing also will be available for inspection and copying at the principal office of the Exchange. All comments received will be posted without change. Persons submitting comments are cautioned that we do not redact or edit personal identifying information from comment submissions. You should submit only information that you wish to make available publicly. All submissions should refer to File Number SR-NYSEArca-2020-15, and should be submitted on or before [insert date 21 days from publication in the Federal Register].

For the Commission, by the Division of Trading and Markets, pursuant to delegated authority.\(^{12}\)

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J. Matthew DeLesDernier, 
Assistant Secretary.
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\(^{12}\) 17 CFR 200.30-3(a)(12).