

This Notice will be published in the **Federal Register**.

Erica A. Barker,  
Secretary.

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## OFFICE OF SCIENCE AND TECHNOLOGY POLICY

### Request for Information; National Nanotechnology Initiative Environmental, Health, and Safety Research Strategy; Extension of Comment Period

**AGENCY:** Office of Science and Technology Policy (OSTP).

**ACTION:** Notice of request for information; extension of comment period.

**SUMMARY:** The National Nanotechnology Coordination Office (NNCO), on behalf of the Nanoscale Science, Engineering, and Technology (NSET) Subcommittee of the Committee on Technology, National Science and Technology Council (NSTC), is extending the comment period for the notice announcing a request for information and comments that appeared in the **Federal Register** of April 5, 2023. In that notice, NNCO requested information and comments on updating the National Nanotechnology Initiative (NNI) Environmental, Health, and Safety (EHS) Research Strategy. The NNCO is taking this action to allow interested persons additional time to submit comments. The NNI's current strategy was prepared in 2011, with substantial public engagement. Federal agencies participating in NSET's Nanotechnology Environmental and Health Implications (NEHI) Working Group have begun to review the 2011 NNI EHS Research Strategy and request input to help inform a revised and updated EHS strategy.

**DATES:** The NNCO is extending the comment period on the notice published April 5, 2023 (88 FR 20194). Interested persons and organizations are invited to submit comments on or before 5 p.m. ET June 16, 2023.

**ADDRESSES:** Comments must be submitted via the Federal eRulemaking Portal at [regulations.gov](https://www.regulations.gov). However, if you require an accommodation or cannot otherwise submit your comments via [regulations.gov](https://www.regulations.gov), please contact the program contact person listed under **FOR FURTHER INFORMATION CONTACT**. OSTP will not accept comments by fax or by email, or comments submitted after the comment

period closes. To ensure that OSTP does not receive duplicate copies, please submit your comments only once. Additionally, please include the Docket ID at the top of your comments.

**Federal eRulemaking Portal:** Go to [www.regulations.gov](https://www.regulations.gov) to submit your comments electronically. Information on how to use [Regulations.gov](https://www.regulations.gov), including instructions for accessing agency documents, submitting comments, and viewing the docket, is available on the site under "FAQ" (<https://www.regulations.gov/faq>).

**Privacy Note:** OSTP's policy is to make all comments received from members of the public available for public viewing in their entirety on the Federal eRulemaking Portal at [www.regulations.gov](https://www.regulations.gov). Therefore, commenters should be careful to include in their comments only information that they wish to make publicly available. OSTP requests that no proprietary information, copyrighted information, or personally identifiable information be submitted in response to this RFI.

**Instructions:** Response to this RFI is voluntary. Respondents need not reply to all questions listed. For all submissions, clearly indicate which questions are being answered. Multiple submissions from an individual, group, or institution will be considered as supplements to the original response and not as new comments. Submissions should include the name(s) of the person(s) or organization(s) filing the comment.

Any information obtained from this RFI is intended to be used by the Government on a non-attribution basis for planning and strategy development. OSTP will not respond to individual submissions. A response to this RFI will not be viewed as a binding commitment to develop or pursue the project or ideas discussed. This RFI is not accepting applications for financial assistance or financial incentives. Please note that the United States Government will not pay for response preparation, or for the use of any information contained in a response.

**FOR FURTHER INFORMATION CONTACT:**

Rhema Bjorkland at [info@nnco.nano.gov](mailto:info@nnco.nano.gov) or 202-517-1050. Individuals who use telecommunication devices for the deaf and hard of hearing (TDD) may call the Federal Relay Service (FRS) at 1-800-877-8339, 24 hours a day, every day of the year, including holidays.

**SUPPLEMENTARY INFORMATION:**

**Background Information:** NEHI, on behalf of the NNI, is engaging the community early in the process to allow the public and key stakeholders to

inform revisions to the NNI EHS research strategy. In preparing comments, the public is invited to view the core research areas and their associated needs as set out in the NNI 2011 Environmental, Health, and Safety (EHS) Research Strategy (<https://www.nano.gov/2011EHSStrategy>). The 2014 Progress Review on the Coordinated Implementation of the National Nanotechnology Initiative 2011 Environmental, Health, and Safety Research Strategy (<https://www.nano.gov/2014-EHS-Progress-Review>) and 2017 Highlights of Recent Research on the Environmental, Health, and Safety Implications of Engineered Nanomaterials (<https://www.nano.gov/Highlights-Federal-NanoEHS-Report>) provide additional information on the progress made in the core research areas.

**Information Requested:** Pursuant to 42 U.S.C. 6617, OSTP is soliciting public input through an RFI to obtain feedback from a wide variety of stakeholders, including individuals, industry, academia, research laboratories, nonprofits, and think tanks. OSTP is interested in public input to inform an updated nanotechnology EHS research strategy, specifically a strategy that focuses on the use of science-based risk analysis and risk management to protect public health and the environment while also fostering the technological advancements that benefit society. OSTP seeks responses to any or all of the following questions:

1. What are the research accomplishments in the following six core research areas identified in the 2011 NNI EHS Strategy? The six core research areas are (1) Nanomaterial Measurement Infrastructure, (2) Human Exposure Assessment, (3) Human Health, (4) Environment, (5) Risk Assessment and Risk Management Methods, and (6) Informatics and Modeling.

2. What research gaps remain in addressing the six NNI EHS core research areas listed in question 1?

3. The ethical, legal, and societal implications (ELSI) of nanotechnology are considered across the core research areas of the 2011 strategy. What additional ways could ELSI be more fully integrated throughout a refreshed NNI EHS research strategy?

4. What broad themes should the revised strategy adopt to integrate and connect the six research areas?

5. How should the updated NNI EHS research strategy reflect the evolution of nanotechnology beyond engineered nanomaterials to complex systems, structures, and devices?

6. The 2011 strategy focused on engineered nanomaterials and did not include incidental nanoscale materials such as nanoplastics and certain nanoscale particulate emissions such as those from 3D printing. If the updated strategy is revised to include some non-engineered or incidental nanomaterials, describe how to scope the strategy in a way that complements rather than being redundant with existing health and environmental research (e.g., by excluding the large body of existing research on air pollution, which can include nanoscale particles).

Dated: May 18, 2023.

**Stacy Murphy,**

*Deputy Chief Operations Officer/Security Officer.*

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## SECURITIES AND EXCHANGE COMMISSION

[Release No. 34–97520; File No. SR–MIAX–2023–20]

### Self-Regulatory Organizations; Miami International Securities Exchange LLC; Notice of Filing and Immediate Effectiveness of a Proposed Rule Change To Amend Exchange Rule 518, Complex Orders

May 17, 2023.

Pursuant to Section 19(b)(1) of the Securities Exchange Act of 1934 (“Act”),<sup>1</sup> and Rule 19b–4 thereunder,<sup>2</sup> notice is hereby given that on May 4, 2023, Miami International Securities Exchange LLC (“MIAX” or “Exchange”) filed with the Securities and Exchange Commission (“Commission”) a proposed rule change as described in Items I and II below, which Items have been prepared by the Exchange. The Commission is publishing this notice to solicit comments on the proposed rule change from interested persons.

#### I. Self-Regulatory Organization’s Statement of the Terms of Substance of the Proposed Rule Change

The Exchange is filing a proposal to amend Exchange Rule 518, Complex Orders.

The text of the proposed rule change is available on the Exchange’s website at <http://www.miaxoptions.com/rule-filings>, at MIAX’s principal office, and at the Commission’s Public Reference Room.

<sup>1</sup> 15 U.S.C. 78s(b)(1).

<sup>2</sup> 17 CFR 240.19b–4.

#### II. Self-Regulatory Organization’s Statement of the Purpose of, and Statutory Basis for, the Proposed Rule Change

In its filing with the Commission, the Exchange included statements concerning the purpose of and basis for the proposed rule change and discussed any comments it received on the proposed rule change. The text of these statements may be examined at the places specified in Item IV below. The Exchange has prepared summaries, set forth in sections A, B, and C below, of the most significant aspects of such statements.

##### A. Self-Regulatory Organization’s Statement of the Purpose of, and Statutory Basis for, the Proposed Rule Change

###### 1. Purpose

The Exchange proposes to amend Rule 518, Complex Orders, to: (i) amend the definition of a conforming ratio and a non-conforming ratio to include the conforming and non-conforming ratios for stock-option orders; (ii) amend the definition of a complex order to insert the clarifying phrase, “conforming or non-conforming ratio” for stock-option orders; and (iii) adopt new paragraph (2) to Interpretations and Policies .01(c) of Rule 518 to describe the handling of stock-option orders with non-conforming ratios. Additionally, the Exchange proposes to make a minor non-substantive edit to the first paragraph of Interpretations and Policies .01(c) of Rule 518 to renumber the paragraph as paragraph (1).

###### Background

Currently, the Exchange defines a “complex order” as any order involving the concurrent purchase and/or sale of two or more different options in the same underlying security (the “legs” or “components” of the complex order), for the same account, in a conforming<sup>3</sup> or non-conforming ratio<sup>4</sup> for the purposes of executing a particular investment strategy. Mini-options may only be part of a complex order that includes other mini-options. Only those complex orders in the classes designated by the Exchange and

<sup>3</sup> A “conforming ratio” is where the ratio between the sizes of the components of a complex order comprised solely of options is equal to or greater than one-to-three (.333) and less than or equal to three-to-one (3.00). See Exchange Rule 518(a)(8).

<sup>4</sup> A “non-conforming ratio” is where the ratio between the sizes of the components of a complex order comprised solely of options is greater than three-to-one (3.00) or less than one-to-three (.333). See Exchange Rule 518(a)(16).

communicated to Members<sup>5</sup> via Regulatory Circular with no more than the applicable number of legs, as determined by the Exchange on a class-by-class basis and communicated to Members via Regulatory Circular, are eligible for processing.

Additionally, a complex order can also be a “stock-option order” as described further, and subject to the limitations set forth, in Interpretations and Policies .01 of Rule 518. A stock-option order is an order to buy or sell a stated number of units of an underlying security (stock or Exchange Traded Fund Share (“ETF”)) or a security convertible into the underlying stock (“convertible security”) coupled with the purchase or sale of options contract(s) on the opposite side of the market representing either (i) the same number of units of the underlying security or convertible security, or (ii) the number of units of the underlying stock necessary to create a delta neutral position, but in no case in a ratio greater than eight-to-one (8.00), where the ratio represents the total number of units of the underlying security or convertible security in the option leg to the total number of units of the underlying security or convertible security in the stock leg. Only those stock-option orders in the classes designated by the Exchange and communicated to Members via Regulatory Circular with no more than the applicable number of legs as determined by the Exchange on a class-by-class basis and communicated to Members via Regulatory Circular, are eligible for processing.<sup>6</sup>

###### Proposal

The Exchange now proposes to accept stock-option orders with ratios greater than eight-to-one, or non-conforming ratios, as defined herein. To support its proposal, the Exchange proposes to amend the definition of a “conforming ratio” in Exchange Rule 518(a)(8) to include the current ratio for stock-option orders accepted by the Exchange, which is where one component of the complex order is the underlying security (stock or ETF), or security convertible into the underlying stock (“convertible security”) and the ratio between the option component(s) and the underlying security (stock or ETF), or convertible security is less than or equal to eight-to-one (8.00).

Specifically, as amended the proposed rule will provide that, a

<sup>5</sup> The term “Member” means an individual or organization approved to exercise the trading rights associated with a Trading Permit. Members are deemed “members” under the Exchange Act. See Exchange Rule 100.

<sup>6</sup> See Exchange Rule 518(a)(5).