



## FIA Survey of Exchange-Provided Electronic Trading Risk Mitigation Controls

FIA has committed to building a central repository of exchange-provided controls and practices. To do so, this survey has been developed in consultation with FIA members. The survey has been sent to 70+ exchanges globally and the central repository will present, in an exchange-by-exchange format, a view of the answers provided. We believe that the repository will provide a convenient, central source of exchange-provided controls and practices for global brokers, clearing firms and traders, as well as facilitating risk control benchmarking for exchanges.

The survey is in an editable excel format which will allow you to enter and save your responses and when complete to return to us at [ExchangeRiskControlsSurvey@fia.org](mailto:ExchangeRiskControlsSurvey@fia.org).

As you are completing the survey, should you have any questions or concerns, please contact us at [ExchangeRiskControlsSurvey@fia.org](mailto:ExchangeRiskControlsSurvey@fia.org).

FIA Privacy Statement <https://www.fia.org/fia-and-ifm-privacy-statement>

| Contact Information |                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------|
| 1                   | Exchange Name<br><i>As you would like it to appear on the FIA website</i>                                                |
| 2                   | Name of person completing the survey<br><i>First name Last name (i.e John Smith)</i><br><i>For FIA internal use only</i> |
| 3                   | Email of person completing the survey<br><i>For FIA internal use only</i>                                                |
| 4                   | Name/Department for FIA members to find additional information<br><i>For FIA internal use only</i>                       |
| 5                   | Email for FIA members to find additional information<br><i>This will be published on the FIA website</i>                 |
| 6                   | Website URL for FIA members to find additional information<br><i>This will be published on the FIA website</i>           |

| Introductory Question |                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------|
| 7                     | Does the Exchange allow direct market access?<br><i>Check all that apply</i>                      |
| 7.a                   | Direct access for Clearing Members <input type="checkbox"/>                                       |
| 7.b                   | Direct access for Traders sponsored by Clearing Members/Sponsoring Firms <input type="checkbox"/> |
| 7.c                   | Direct access for any Trader who wants it <input type="checkbox"/>                                |
| 7.d                   | Direct access via a Clearing Member's/Sponsoring Firms infrastructure <input type="checkbox"/>    |

## Exchange-Provided Risk Management Tools

The following questions pertain to Exchange-Provided Risk Management Tools Configurable by Clearing Members/Sponsoring Firms and Traders

|      |                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                               |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8    | Does the Exchange make <b>maximum order size limits</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, how can they be set?<br><i>Check all that apply</i>                               |                                                                                                                                                                                                                                                                                                               |
| 8.a  | Not Applicable                                                                                                                                                                                                   | <input type="checkbox"/>                                                                                                                                                                                                                                                                                      |
| 8.b  | Available to set manually                                                                                                                                                                                        | <input type="checkbox"/>                                                                                                                                                                                                                                                                                      |
| 8.c  | Available to set via API                                                                                                                                                                                         | <input type="checkbox"/>                                                                                                                                                                                                                                                                                      |
| 8.d  | Is this a mandatory control                                                                                                                                                                                      | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                           |
| 9    | If mandatory, provide rule citation                                                                                                                                                                              | Derivatives Market Business Regulation §71,<br>Enforcement Rules of the Derivatives Market Business Regulation §61                                                                                                                                                                                            |
| 10   | Does the Exchange make <b>maximum intraday net position limits</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, how can they be set?<br><i>Check all that apply</i>                    |                                                                                                                                                                                                                                                                                                               |
| 10.a | Not applicable                                                                                                                                                                                                   | <input type="checkbox"/>                                                                                                                                                                                                                                                                                      |
| 10.b | Available to set manually                                                                                                                                                                                        | <input type="checkbox"/>                                                                                                                                                                                                                                                                                      |
| 10.c | Available to set via API                                                                                                                                                                                         | <input type="checkbox"/>                                                                                                                                                                                                                                                                                      |
| 10.d | Is this a mandatory control?                                                                                                                                                                                     | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                           |
| 11   | If mandatory provide rule citation                                                                                                                                                                               | Derivatives Market Business Regulation §154,<br>Enforcement Rules of the Derivatives Market Business Regulation §162,<br>§162-2,<br>Derivatives Market Business Regulation §124①-3,<br>Enforcement Rules of the Derivatives Market Business Regulation<br>§119②, Annex 22                                     |
| 12   | Does the Exchange make <b>maximum intraday gross position limits</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, how can they be set?<br><i>Check all that apply</i>                  |                                                                                                                                                                                                                                                                                                               |
| 12.a | Not applicable                                                                                                                                                                                                   | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                           |
| 12.b | Available to set manually                                                                                                                                                                                        | <input type="checkbox"/>                                                                                                                                                                                                                                                                                      |
| 12.c | Available to set via API                                                                                                                                                                                         | <input type="checkbox"/>                                                                                                                                                                                                                                                                                      |
| 12.d | Is this a mandatory control                                                                                                                                                                                      | <input type="checkbox"/>                                                                                                                                                                                                                                                                                      |
| 13   | If mandatory provide rule citation                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                               |
| 14   | Does the Exchange make <b>maximum intraday notional value limits</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, how can they be set?<br><i>Check all that apply</i>                  |                                                                                                                                                                                                                                                                                                               |
| 14.a | Not applicable                                                                                                                                                                                                   | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                           |
| 14.b | Available to set manually                                                                                                                                                                                        | <input type="checkbox"/>                                                                                                                                                                                                                                                                                      |
| 14.c | Available to set via API                                                                                                                                                                                         | <input type="checkbox"/>                                                                                                                                                                                                                                                                                      |
| 14.d | Is this a mandatory control?                                                                                                                                                                                     | <input type="checkbox"/>                                                                                                                                                                                                                                                                                      |
| 15   | If mandatory provide rule citation                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                               |
| 16   | Does the Exchange make <b>maximum intraday margin utilization/buying power limits</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, how can they be set?<br><i>Check all that apply</i> |                                                                                                                                                                                                                                                                                                               |
| 16.a | Not applicable                                                                                                                                                                                                   | <input type="checkbox"/>                                                                                                                                                                                                                                                                                      |
| 16.b | Available to set manually                                                                                                                                                                                        | <input type="checkbox"/>                                                                                                                                                                                                                                                                                      |
| 16.c | Available to set via API                                                                                                                                                                                         | <input type="checkbox"/>                                                                                                                                                                                                                                                                                      |
| 16.d | Is this a mandatory control?                                                                                                                                                                                     | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                           |
| 17   | If mandatory provide rule citation                                                                                                                                                                               | Derivatives Market Business Regulation §134,<br>Enforcement Rules of the Derivatives Market Business Regulation §133<br>(Upfront Initial Customer Margin)<br>Derivatives Market Business Regulation §133,<br>Enforcement Rules of the Derivatives Market Business Regulation §132-2<br>(Risk Exposure Amount) |

|      |                                                                                                                                                                                            |                                                                                                                       |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 18   | Does the Exchange make <b>maximum intraday loss</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, how can it be set?<br><i>Check all that apply</i>               |                                                                                                                       |
| 18.a | Not applicable                                                                                                                                                                             | <input type="checkbox"/>                                                                                              |
| 18.b | Available to set manually                                                                                                                                                                  | <input type="checkbox"/>                                                                                              |
| 18.c | Available to set via API                                                                                                                                                                   | <input type="checkbox"/>                                                                                              |
| 18.d | Is this a mandatory control?                                                                                                                                                               | <input checked="" type="checkbox"/>                                                                                   |
| 19   | If mandatory provide rule citation                                                                                                                                                         | Derivatives Market Business Regulation §133①,<br>Enforcement Rules of the Derivatives Market Business Regulation §137 |
|      |                                                                                                                                                                                            |                                                                                                                       |
| 20   | Does the Exchange make <b>maximum number of open orders</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, how can it be set?<br><i>Check all that apply</i>       |                                                                                                                       |
| 20.a | Not applicable                                                                                                                                                                             | <input type="checkbox"/>                                                                                              |
| 20.b | Available to set manually                                                                                                                                                                  | <input type="checkbox"/>                                                                                              |
| 20.c | Available to set via API                                                                                                                                                                   | <input type="checkbox"/>                                                                                              |
| 20.d | Is this a mandatory control?                                                                                                                                                               | <input checked="" type="checkbox"/>                                                                                   |
| 21   | 21 If mandatory provide rule citation                                                                                                                                                      | Derivatives Market Business Regulation §71,<br>Enforcement Rules of the Derivatives Market Business Regulation §61    |
|      |                                                                                                                                                                                            |                                                                                                                       |
| 22   | Does the Exchange make <b>restricted list management</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, how can it be set?<br><i>Check all that apply</i>          |                                                                                                                       |
| 22.a | Not applicable                                                                                                                                                                             | <input checked="" type="checkbox"/>                                                                                   |
| 22.b | Available to set manually                                                                                                                                                                  | <input type="checkbox"/>                                                                                              |
| 22.c | Available to set via API                                                                                                                                                                   | <input type="checkbox"/>                                                                                              |
| 22.d | Is this a mandatory control?                                                                                                                                                               | <input type="checkbox"/>                                                                                              |
| 23   | If mandatory provide rule citation                                                                                                                                                         |                                                                                                                       |
|      |                                                                                                                                                                                            |                                                                                                                       |
| 24   | Does the Exchange make <b>order/quote volume limits</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, how can it be set?<br><i>Check all that apply</i>           |                                                                                                                       |
| 24.a | Not applicable                                                                                                                                                                             | <input type="checkbox"/>                                                                                              |
| 24.b | Available to set manually                                                                                                                                                                  | <input type="checkbox"/>                                                                                              |
| 24.c | Available to set via API                                                                                                                                                                   | <input type="checkbox"/>                                                                                              |
| 24.d | Is this a mandatory control?                                                                                                                                                               | <input checked="" type="checkbox"/>                                                                                   |
| 25   | If mandatory provide rule citation                                                                                                                                                         | Derivatives Market Business Regulation §71,<br>Enforcement Rules of the Derivatives Market Business Regulation §61    |
|      |                                                                                                                                                                                            |                                                                                                                       |
| 26   | Does the Exchange make <b>user defined price collars</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, how can it be set?<br><i>Check all that apply</i>          |                                                                                                                       |
| 26.a | Not applicable                                                                                                                                                                             | <input checked="" type="checkbox"/>                                                                                   |
| 26.b | Available to set manually                                                                                                                                                                  | <input type="checkbox"/>                                                                                              |
| 26.c | Available to set via API                                                                                                                                                                   | <input type="checkbox"/>                                                                                              |
| 26.d | Is this a mandatory control?                                                                                                                                                               | <input type="checkbox"/>                                                                                              |
| 27   | If mandatory provide rule citation                                                                                                                                                         |                                                                                                                       |
|      |                                                                                                                                                                                            |                                                                                                                       |
| 28   | Does the Exchange make <b>number of outstanding orders/quotes</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, how can it be set?<br><i>Check all that apply</i> |                                                                                                                       |
| 28.a | Not applicable                                                                                                                                                                             | <input checked="" type="checkbox"/>                                                                                   |
| 28.b | Available to set manually                                                                                                                                                                  | <input type="checkbox"/>                                                                                              |
| 28.c | Available to set via API                                                                                                                                                                   | <input type="checkbox"/>                                                                                              |
| 28.d | Is this a mandatory control?                                                                                                                                                               | <input type="checkbox"/>                                                                                              |
| 29   | If mandatory provide rule citation                                                                                                                                                         |                                                                                                                       |

|      |                                                                                                                                                                                                          |                                                                                                                                   |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 30   | Does the Exchange make <b>number of outstanding orders/quotes volume limits</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, how can it be set?<br><i>Check all that apply</i> |                                                                                                                                   |
| 30.a | Not applicable                                                                                                                                                                                           | <input type="checkbox"/>                                                                                                          |
| 30.b | Available to set manually                                                                                                                                                                                | <input type="checkbox"/>                                                                                                          |
| 30.c | Available to set via API                                                                                                                                                                                 | <input type="checkbox"/>                                                                                                          |
| 30.d | Is this a mandatory control?                                                                                                                                                                             | <input checked="" type="checkbox"/>                                                                                               |
| 31   | If mandatory provide rule citation                                                                                                                                                                       | Derivatives Market Business Regulation §71,<br>Enforcement Rules of the Derivatives Market Business Regulation §61                |
|      |                                                                                                                                                                                                          |                                                                                                                                   |
| 32   | Does the Exchange make <b>number of messages per time interval</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, how can it be set?<br><i>Check all that apply</i>              |                                                                                                                                   |
| 32.a | Not applicable                                                                                                                                                                                           | <input type="checkbox"/>                                                                                                          |
| 32.b | Available to set manually                                                                                                                                                                                | <input type="checkbox"/>                                                                                                          |
| 32.c | Available to set via API                                                                                                                                                                                 | <input type="checkbox"/>                                                                                                          |
| 32.d | Is this a mandatory control?                                                                                                                                                                             | <input type="checkbox"/>                                                                                                          |
| 33   | If mandatory provide rule citation                                                                                                                                                                       |                                                                                                                                   |
|      |                                                                                                                                                                                                          |                                                                                                                                   |
| 34   | Does the Exchange make <b>message volume per time interval</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, how can it be set?<br><i>Check all that apply</i>                  |                                                                                                                                   |
| 34.a | Not applicable                                                                                                                                                                                           | <input type="checkbox"/>                                                                                                          |
| 34.b | Available to set manually                                                                                                                                                                                | <input type="checkbox"/>                                                                                                          |
| 34.c | Available to set via API                                                                                                                                                                                 | <input type="checkbox"/>                                                                                                          |
| 34.d | Is this a mandatory control?                                                                                                                                                                             | <input type="checkbox"/>                                                                                                          |
| 35   | If mandatory provide rule citation                                                                                                                                                                       |                                                                                                                                   |
|      |                                                                                                                                                                                                          |                                                                                                                                   |
| 36   | Are there any other pre-trade risk control tools that the Exchange makes available to Clearing Members/Sponsoring Firms and Traders, and if so, how can they be set?                                     |                                                                                                                                   |
|      |                                                                                                                                                                                                          |                                                                                                                                   |
| 37   | Does the Exchange allow Clearing Members/Sponsoring Firms and Traders to set separate hard and soft limits?                                                                                              | <input type="radio"/> Yes <input checked="" type="radio"/> No                                                                     |
| 38   | If yes, is the setting of separate hard and soft limits mandatory?                                                                                                                                       | <input type="radio"/> Yes <input checked="" type="radio"/> No                                                                     |
| 39   | If mandatory, provide rule citation.                                                                                                                                                                     | Only hard limits are applicable, allowing members to set more restrictive limits to their customer i.e. within those hard limits. |
|      |                                                                                                                                                                                                          |                                                                                                                                   |
| 40   | Does the Exchange make <b>maximum order size limits</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, at what product level can they be set?<br><i>Check all that apply</i>     |                                                                                                                                   |
| 40.a | Not applicable                                                                                                                                                                                           | <input type="checkbox"/>                                                                                                          |
| 40.b | Available to set by asset class                                                                                                                                                                          | <input type="checkbox"/>                                                                                                          |
| 40.c | Available to set by product group                                                                                                                                                                        | <input type="checkbox"/>                                                                                                          |
| 40.d | Available to set by product                                                                                                                                                                              | <input checked="" type="checkbox"/>                                                                                               |
| 40.e | Available to set by spread                                                                                                                                                                               | <input checked="" type="checkbox"/>                                                                                               |
| 40.f | Available to set by expiry                                                                                                                                                                               | <input type="checkbox"/>                                                                                                          |
| 40.g | Other                                                                                                                                                                                                    |                                                                                                                                   |

|      |                                                                                                                                                                                                                                    |                                     |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| 41   | Does the Exchange make <b>maximum intraday net position limits</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, at what product level can they be set?<br><i>Check all that apply</i>                    |                                     |
| 41.a | Not applicable                                                                                                                                                                                                                     | <input type="checkbox"/>            |
| 41.b | Available to set by asset class                                                                                                                                                                                                    | <input type="checkbox"/>            |
| 41.c | Available to set by product group                                                                                                                                                                                                  | <input checked="" type="checkbox"/> |
| 41.d | Available to set by product                                                                                                                                                                                                        | <input type="checkbox"/>            |
| 41.e | Available to set by spread                                                                                                                                                                                                         | <input type="checkbox"/>            |
| 41.f | Available to set by expiry                                                                                                                                                                                                         | <input checked="" type="checkbox"/> |
| 41.g | Other                                                                                                                                                                                                                              |                                     |
|      |                                                                                                                                                                                                                                    |                                     |
| 42   | Does the Exchange make <b>maximum intraday gross position limits</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, at what product level can they be set?<br><i>Check all that apply</i>                  |                                     |
| 42.a | Not applicable                                                                                                                                                                                                                     | <input checked="" type="checkbox"/> |
| 42.b | Available to set by asset class                                                                                                                                                                                                    | <input type="checkbox"/>            |
| 42.c | Available to set by product group                                                                                                                                                                                                  | <input type="checkbox"/>            |
| 42.d | Available to set by product                                                                                                                                                                                                        | <input type="checkbox"/>            |
| 42.e | Available to set by spread                                                                                                                                                                                                         | <input type="checkbox"/>            |
| 42.f | Available to set by expiry                                                                                                                                                                                                         | <input type="checkbox"/>            |
| 42.g | Other                                                                                                                                                                                                                              |                                     |
|      |                                                                                                                                                                                                                                    |                                     |
| 43   | Does the Exchange make <b>maximum intraday notional value limits</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, at what product level can they be set?<br><i>Check all that apply</i>                  |                                     |
| 43.a | Not applicable                                                                                                                                                                                                                     | <input checked="" type="checkbox"/> |
| 43.b | Available to set by asset class                                                                                                                                                                                                    | <input type="checkbox"/>            |
| 43.c | Available to set by product group                                                                                                                                                                                                  | <input type="checkbox"/>            |
| 43.d | Available to set by product                                                                                                                                                                                                        | <input type="checkbox"/>            |
| 43.e | Available to set by spread                                                                                                                                                                                                         | <input type="checkbox"/>            |
| 43.f | Available to set by expiry                                                                                                                                                                                                         | <input type="checkbox"/>            |
| 43.g | Other                                                                                                                                                                                                                              |                                     |
|      |                                                                                                                                                                                                                                    |                                     |
| 44   | Does the Exchange make <b>maximum intraday margin utilization/buying power limits</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, at what product level can they be set?<br><i>Check all that apply</i> |                                     |
| 44.a | Not applicable                                                                                                                                                                                                                     | <input type="checkbox"/>            |
| 44.b | Available to set by asset class                                                                                                                                                                                                    | <input type="checkbox"/>            |
| 44.c | Available to set by product group                                                                                                                                                                                                  | <input checked="" type="checkbox"/> |
| 44.d | Available to set by product                                                                                                                                                                                                        | <input checked="" type="checkbox"/> |
| 44.e | Available to set by spread                                                                                                                                                                                                         | <input checked="" type="checkbox"/> |
| 44.f | Available to set by expiry                                                                                                                                                                                                         | <input type="checkbox"/>            |
| 44.g | Other                                                                                                                                                                                                                              |                                     |
|      |                                                                                                                                                                                                                                    |                                     |
| 45   | Does the Exchange make <b>maximum intraday loss</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, at what product level can they be set?<br><i>Check all that apply</i>                                   |                                     |
| 45.a | Not applicable                                                                                                                                                                                                                     | <input type="checkbox"/>            |
| 45.b | Available to set by asset class                                                                                                                                                                                                    | <input type="checkbox"/>            |
| 45.c | Available to set by product group                                                                                                                                                                                                  | <input type="checkbox"/>            |
| 45.d | Available to set by product                                                                                                                                                                                                        | <input checked="" type="checkbox"/> |
| 45.e | Available to set by spread                                                                                                                                                                                                         | <input type="checkbox"/>            |
| 45.f | Available to set by expiry                                                                                                                                                                                                         | <input type="checkbox"/>            |
| 45.g | Other                                                                                                                                                                                                                              |                                     |

|      |                                                                                                                                                                                                                |                                     |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| 46   | Does the Exchange make <b>maximum number of open orders</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, at what product level can they be set?<br><i>Check all that apply</i>       |                                     |
| 46.a | Not applicable                                                                                                                                                                                                 | <input type="checkbox"/>            |
| 46.b | Available to set by asset class                                                                                                                                                                                | <input type="checkbox"/>            |
| 46.c | Available to set by product group                                                                                                                                                                              | <input type="checkbox"/>            |
| 46.d | Available to set by product                                                                                                                                                                                    | <input checked="" type="checkbox"/> |
| 46.e | Available to set by spread                                                                                                                                                                                     | <input type="checkbox"/>            |
| 46.f | Available to set by expiry                                                                                                                                                                                     | <input type="checkbox"/>            |
| 46.g | Other                                                                                                                                                                                                          |                                     |
|      |                                                                                                                                                                                                                |                                     |
| 47   | Does the Exchange make <b>restricted list management</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, at what product level can they be set?<br><i>Check all that apply</i>          |                                     |
| 47.a | Not applicable                                                                                                                                                                                                 | <input checked="" type="checkbox"/> |
| 47.b | Available to set by asset class                                                                                                                                                                                | <input type="checkbox"/>            |
| 47.c | Available to set by product group                                                                                                                                                                              | <input type="checkbox"/>            |
| 47.d | Available to set by product                                                                                                                                                                                    | <input type="checkbox"/>            |
| 47.e | Available to set by spread                                                                                                                                                                                     | <input type="checkbox"/>            |
| 47.f | Available to set by expiry                                                                                                                                                                                     | <input type="checkbox"/>            |
| 47.g | Other                                                                                                                                                                                                          |                                     |
|      |                                                                                                                                                                                                                |                                     |
| 48   | Does the Exchange make <b>order/quote volume limits</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, at what product level can they be set?<br><i>Check all that apply</i>           |                                     |
| 48.a | Not applicable                                                                                                                                                                                                 | <input type="checkbox"/>            |
| 48.b | Available to set by asset class                                                                                                                                                                                | <input type="checkbox"/>            |
| 48.c | Available to set by product group                                                                                                                                                                              | <input type="checkbox"/>            |
| 48.d | Available to set by product                                                                                                                                                                                    | <input checked="" type="checkbox"/> |
| 48.e | Available to set by spread                                                                                                                                                                                     | <input checked="" type="checkbox"/> |
| 48.f | Available to set by expiry                                                                                                                                                                                     | <input type="checkbox"/>            |
| 48.g | Other                                                                                                                                                                                                          |                                     |
|      |                                                                                                                                                                                                                |                                     |
| 49   | Does the Exchange make <b>user defined price collars</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, at what product level can they be set?<br><i>Check all that apply</i>          |                                     |
| 49.a | Not applicable                                                                                                                                                                                                 | <input checked="" type="checkbox"/> |
| 49.b | Available to set by asset class                                                                                                                                                                                | <input type="checkbox"/>            |
| 49.c | Available to set by product group                                                                                                                                                                              | <input type="checkbox"/>            |
| 49.d | Available to set by product                                                                                                                                                                                    | <input type="checkbox"/>            |
| 49.e | Available to set by spread                                                                                                                                                                                     | <input type="checkbox"/>            |
| 49.f | Available to set by expiry                                                                                                                                                                                     | <input type="checkbox"/>            |
| 49.g | Other                                                                                                                                                                                                          |                                     |
|      |                                                                                                                                                                                                                |                                     |
| 50   | Does the Exchange make <b>number of outstanding orders/quotes</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, at what product level can they be set?<br><i>Check all that apply</i> |                                     |
| 50.a | Not applicable                                                                                                                                                                                                 | <input checked="" type="checkbox"/> |
| 50.b | Available to set by asset class                                                                                                                                                                                | <input type="checkbox"/>            |
| 50.c | Available to set by product group                                                                                                                                                                              | <input type="checkbox"/>            |
| 50.d | Available to set by product                                                                                                                                                                                    | <input type="checkbox"/>            |
| 50.e | Available to set by spread                                                                                                                                                                                     | <input type="checkbox"/>            |
| 50.f | Available to set by expiry                                                                                                                                                                                     | <input type="checkbox"/>            |
| 50.g | Other                                                                                                                                                                                                          |                                     |

|      |                                                                                                                                                                                                                  |                                                               |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| 51   | Does the Exchange make <b>outstanding order/quote volume limits</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, at what product level can they be set?<br><i>Check all that apply</i> |                                                               |
| 51.a | Not applicable                                                                                                                                                                                                   | <input type="checkbox"/>                                      |
| 51.b | Available to set by asset class                                                                                                                                                                                  | <input type="checkbox"/>                                      |
| 51.c | Available to set by product group                                                                                                                                                                                | <input type="checkbox"/>                                      |
| 51.d | Available to set by product                                                                                                                                                                                      | <input checked="" type="checkbox"/>                           |
| 51.e | Available to set by spread                                                                                                                                                                                       | <input type="checkbox"/>                                      |
| 51.f | Available to set by expiry                                                                                                                                                                                       | <input type="checkbox"/>                                      |
| 51.g | Other                                                                                                                                                                                                            |                                                               |
|      |                                                                                                                                                                                                                  |                                                               |
| 52   | Does the Exchange make <b>message volume per time interval</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, at what product level can they be set?<br><i>Check all that apply</i>      |                                                               |
| 52.a | Not applicable                                                                                                                                                                                                   | <input type="checkbox"/>                                      |
| 52.b | Available to set by asset class                                                                                                                                                                                  | <input type="checkbox"/>                                      |
| 52.c | Available to set by product group                                                                                                                                                                                | <input type="checkbox"/>                                      |
| 52.d | Available to set by product                                                                                                                                                                                      | <input type="checkbox"/>                                      |
| 52.e | Available to set by spread                                                                                                                                                                                       | <input type="checkbox"/>                                      |
| 52.f | Available to set by expiry                                                                                                                                                                                       | <input type="checkbox"/>                                      |
| 52.g | Other                                                                                                                                                                                                            |                                                               |
|      |                                                                                                                                                                                                                  |                                                               |
| 53   | Does the Exchange make <b>number of messages per time interval</b> available to Clearing Members/Sponsoring Firms and Traders, and if so, at what product level can they be set?<br><i>Check all that apply</i>  |                                                               |
| 53.a | Not applicable                                                                                                                                                                                                   | <input type="checkbox"/>                                      |
| 53.b | Available to set by asset class                                                                                                                                                                                  | <input type="checkbox"/>                                      |
| 53.c | Available to set by product group                                                                                                                                                                                | <input type="checkbox"/>                                      |
| 53.d | Available to set by product                                                                                                                                                                                      | <input type="checkbox"/>                                      |
| 53.e | Available to set by spread                                                                                                                                                                                       | <input type="checkbox"/>                                      |
| 53.f | Available to set by expiry                                                                                                                                                                                       | <input type="checkbox"/>                                      |
| 53.g | Other                                                                                                                                                                                                            |                                                               |
|      |                                                                                                                                                                                                                  |                                                               |
| 54   | Are there any other pre-trade risk control tools that the Exchange makes available to Clearing Members/Sponsoring Firms and Traders, and if so, at what product level can they be set?                           |                                                               |
|      |                                                                                                                                                                                                                  |                                                               |
| 55   | At what user level does the Exchange allow pre-trade risk control tools to be set?<br><i>Check all that apply</i>                                                                                                |                                                               |
| 55.a | Clearing Firm/Sponsoring Firm Default                                                                                                                                                                            | <input type="checkbox"/>                                      |
| 55.b | Trader Firm                                                                                                                                                                                                      | <input checked="" type="checkbox"/>                           |
| 55.c | Trader Account Number                                                                                                                                                                                            | <input checked="" type="checkbox"/>                           |
| 55.d | Trader/User Login                                                                                                                                                                                                | <input type="checkbox"/>                                      |
| 55.e | Trader defined desk/Strategy group                                                                                                                                                                               | <input type="checkbox"/>                                      |
| 55.h | Other                                                                                                                                                                                                            |                                                               |
|      |                                                                                                                                                                                                                  |                                                               |
| 56   | Does the Exchange have 'clone user' functionality which allows for the copying/mirroring of controls from one Trader, group, firm etc. to another?                                                               | <input type="radio"/> Yes <input type="radio"/> No            |
| 57   | If yes, does the functionality allow for choosing what components to clone rather than cloning everything?                                                                                                       | <input type="radio"/> Yes <input type="radio"/> No            |
|      |                                                                                                                                                                                                                  |                                                               |
| 58   | Does the Exchange allow Clearing Member/Sponsoring Firm administrators to raise or lower limits during the trading day?                                                                                          | <input type="radio"/> Yes <input checked="" type="radio"/> No |
|      |                                                                                                                                                                                                                  |                                                               |
| 59   | Does the Exchange allow Trader administrators to raise or lower limits during the trading day?                                                                                                                   | <input type="radio"/> Yes <input checked="" type="radio"/> No |
|      |                                                                                                                                                                                                                  |                                                               |
| 60   | Does the Exchange offer post-trade surveillance tools?                                                                                                                                                           | <input type="radio"/> Yes <input type="radio"/> No            |

|      |                                                                                                                                                     |                                                               |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| 61   | If yes, which of the following are available?<br><i>Check all that apply</i>                                                                        |                                                               |
| 61.a | Repeated execution alerts/controls                                                                                                                  | <input checked="" type="checkbox"/>                           |
| 61.b | Volume per time interval controls                                                                                                                   | <input type="checkbox"/>                                      |
| 61.c | Other                                                                                                                                               |                                                               |
|      |                                                                                                                                                     |                                                               |
| 62   | Does the Exchange offer post-trade surveillance tools?                                                                                              | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| 63   | If yes, which of the following are available?                                                                                                       |                                                               |
| 63.a | Price Deviation                                                                                                                                     | <input checked="" type="checkbox"/>                           |
| 63.b | Market Depth Protection                                                                                                                             | <input type="checkbox"/>                                      |
| 63.c | Price Drift Control                                                                                                                                 | <input checked="" type="checkbox"/>                           |
| 63.d | Market Order Disabled                                                                                                                               | <input checked="" type="checkbox"/>                           |
| 63.e | Other                                                                                                                                               |                                                               |
|      |                                                                                                                                                     |                                                               |
| 64   | Does the Exchange provide self-match prevention tools configurable by both the Clearing Member/Sponsoring Firm and the Trader?                      | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| 65   | If yes, which of the following features are available?<br><i>Check all that apply</i>                                                               |                                                               |
| 65.a | New order cancels entire resting order                                                                                                              | <input checked="" type="checkbox"/>                           |
| 65.b | New order cancels only same quantity of resting order                                                                                               | <input type="checkbox"/>                                      |
| 65.c | New order is canceled, resting order remains                                                                                                        | <input checked="" type="checkbox"/>                           |
| 65.d | Both new order and resting order are cancelled                                                                                                      | <input checked="" type="checkbox"/>                           |
| 65.e | Order will execute against each other but not print                                                                                                 | <input type="checkbox"/>                                      |
| 65.f | Configurable only by Trader                                                                                                                         | <input checked="" type="checkbox"/>                           |
| 65.g | Configurable only by Clearing Member/Sponsoring Firm                                                                                                | <input checked="" type="checkbox"/>                           |
| 65.h | Other                                                                                                                                               |                                                               |
|      |                                                                                                                                                     |                                                               |
| 66   | If yes, at what levels can the controls be set<br><i>Check all that apply</i>                                                                       |                                                               |
| 66.a | Member level firm                                                                                                                                   | <input checked="" type="checkbox"/>                           |
| 66.b | Group level                                                                                                                                         | <input checked="" type="checkbox"/>                           |
| 66.c | Trader ID level                                                                                                                                     | <input checked="" type="checkbox"/>                           |
| 66.d | Member ID level                                                                                                                                     | <input checked="" type="checkbox"/>                           |
| 66.e | Customer Account Level                                                                                                                              | <input checked="" type="checkbox"/>                           |
| 66.f | Strategy Level                                                                                                                                      | <input checked="" type="checkbox"/>                           |
| 66.g | Session ID level                                                                                                                                    | <input type="checkbox"/>                                      |
|      |                                                                                                                                                     |                                                               |
| 67   | What other services does the Exchange offer <b>Clearing Members/Sponsoring Firms</b> to assist with risk management?<br><i>Check all that apply</i> |                                                               |
| 67.a | Drop copy feeds                                                                                                                                     | <input checked="" type="checkbox"/>                           |
| 67.b | Kill switches                                                                                                                                       | <input checked="" type="checkbox"/>                           |
| 67.c | Independent order management tool                                                                                                                   | <input type="checkbox"/>                                      |
| 67.d | Cancel on disconnect                                                                                                                                | <input checked="" type="checkbox"/>                           |
| 67.e | Order cancel (on behalf)                                                                                                                            | <input type="checkbox"/>                                      |
| 67.f | Mass cancel (on behalf)                                                                                                                             | <input checked="" type="checkbox"/>                           |
| 67.g | Non-exchange infrastructure order/trade feed (web etc.)                                                                                             | <input type="checkbox"/>                                      |
| 67.h | Ability to cancel delayed orders (as used in matching engine-based speed bumps)                                                                     | <input type="checkbox"/>                                      |
| 67.i | Other                                                                                                                                               |                                                               |

|      |                                                                                                                                                 |                                                               |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| 68   | What other services does the Exchange offer <b>Traders</b> to assist with risk management?<br><i>Check all that apply</i>                       |                                                               |
| 68.a | Drop copy feeds                                                                                                                                 | <input checked="" type="checkbox"/>                           |
| 68.b | Kill switches                                                                                                                                   | <input checked="" type="checkbox"/>                           |
| 68.c | Independent order management tool                                                                                                               | <input type="checkbox"/>                                      |
| 68.d | Cancel on disconnect                                                                                                                            | <input checked="" type="checkbox"/>                           |
| 68.e | Order cancel ( on behalf)                                                                                                                       | <input type="checkbox"/>                                      |
| 68.f | Mass cancel (on behalf)                                                                                                                         | <input checked="" type="checkbox"/>                           |
| 68.g | Non-exchange infrastructure order/trade feed (web etc.)                                                                                         | <input type="checkbox"/>                                      |
| 68.h | Ability to cancel delayed orders (as used in matching engine-based speed bumps)                                                                 | <input type="checkbox"/>                                      |
| 68.i | Other                                                                                                                                           |                                                               |
| 69   | If the Exchange makes a “drop copy” feed available, what information is contained in the feed?<br><i>Check all that apply</i>                   |                                                               |
| 69.a | Order Acknowledgements                                                                                                                          | <input type="checkbox"/>                                      |
| 69.b | Filled Orders                                                                                                                                   | <input checked="" type="checkbox"/>                           |
| 69.c | New orders                                                                                                                                      | <input checked="" type="checkbox"/>                           |
| 69.d | Order Amendments                                                                                                                                | <input checked="" type="checkbox"/>                           |
| 69.e | Order Cancellations                                                                                                                             | <input checked="" type="checkbox"/>                           |
| 69.f | Reject messages                                                                                                                                 | <input type="checkbox"/>                                      |
| 69.g | Time stamps for all events                                                                                                                      | <input type="checkbox"/>                                      |
| 69.h | Order numbers for all events                                                                                                                    | <input type="checkbox"/>                                      |
| 69.i | Other                                                                                                                                           |                                                               |
| 70   | If the Exchange <b>offers a Kill Switch to Clearing Members/Sponsoring Firms</b> , how is it implemented?<br><i>Check all that apply</i>        |                                                               |
| 70.a | Manually triggered and reset using exchange- provided administration tool                                                                       | <input type="checkbox"/>                                      |
| 70.b | Triggered and reset using an exchange-provided API                                                                                              | <input checked="" type="checkbox"/>                           |
| 70.c | Automated kill switch triggered by exchange defined parameters                                                                                  | <input type="checkbox"/>                                      |
| 70.d | Other                                                                                                                                           |                                                               |
| 71   | If triggered and not reset intraday, does the exchange automatically reset the Kill Switch?                                                     | <input type="radio"/> Yes <input checked="" type="radio"/> No |
| 72   | If triggered and not reset intraday, does the exchange require the Kill Switch to be manually reset?                                            | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| 73   | If the Exchange <b>offers a Kill Switch to Traders</b> , how is it implemented?<br><i>Check all that apply</i>                                  |                                                               |
| 73.a | Manually triggered and reset using exchange provided administration tool                                                                        | <input type="checkbox"/>                                      |
| 73.b | Triggered and reset using an exchange provided API                                                                                              | <input checked="" type="checkbox"/>                           |
| 73.c | Automated kill switch triggered by exchange defined parameters                                                                                  | <input type="checkbox"/>                                      |
| 73.d | Other                                                                                                                                           |                                                               |
| 74   | If triggered and not reset intraday, does the exchange automatically reset the Kill Switch?                                                     | <input type="radio"/> Yes <input checked="" type="radio"/> No |
| 75   | If triggered and not reset intraday, does the exchange require the Kill Switch to be manually reset?                                            | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| 76   | If the Exchange provides independent order management capability, how is it provided?<br><i>Check all that apply</i>                            |                                                               |
| 76.a | Manually using an exchange-provided administration tool?                                                                                        | <input type="checkbox"/>                                      |
| 76.b | Automated by API                                                                                                                                | <input type="checkbox"/>                                      |
| 76.c | Other                                                                                                                                           |                                                               |
| 77   | If the Exchange provides independent order management capability, does it enable the following <b>by phone</b> ?<br><i>Check all that apply</i> |                                                               |
| 77.a | Ability to review all orders                                                                                                                    | <input type="checkbox"/>                                      |
| 77.b | Ability to review fill information for the day, including partial fills                                                                         | <input type="checkbox"/>                                      |

|      |                                                                                                                                                  |                                                                                |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 77.c | Ability to review cancel and replace history                                                                                                     | <input type="checkbox"/>                                                       |
| 77.d | Ability to review timestamps                                                                                                                     | <input type="checkbox"/>                                                       |
| 77.e | Ability to cancel individual orders                                                                                                              | <input type="checkbox"/>                                                       |
| 77.f | Ability to cancel groups of orders                                                                                                               | <input type="checkbox"/>                                                       |
| 77.g | Ability to cancel all working orders with a single command                                                                                       | <input type="checkbox"/>                                                       |
| 77.h | Other                                                                                                                                            |                                                                                |
|      |                                                                                                                                                  |                                                                                |
| 78   | If the Exchange provides independent order management capability, does it enable the following <b>by portal</b> ?<br><i>Check all that apply</i> |                                                                                |
| 78.a | Ability to review all orders                                                                                                                     | <input type="checkbox"/>                                                       |
| 78.b | Ability to review fill information for the day, including partial fills                                                                          | <input type="checkbox"/>                                                       |
| 78.c | Ability to review cancel and replace history                                                                                                     | <input type="checkbox"/>                                                       |
| 78.d | Ability to review timestamps                                                                                                                     | <input type="checkbox"/>                                                       |
| 78.e | Ability to cancel individual orders                                                                                                              | <input type="checkbox"/>                                                       |
| 78.f | Ability to cancel groups of orders                                                                                                               | <input type="checkbox"/>                                                       |
| 78.g | Ability to cancel all working orders with a single command                                                                                       | <input type="checkbox"/>                                                       |
| 78.h | Other                                                                                                                                            |                                                                                |
|      |                                                                                                                                                  |                                                                                |
| 79   | If the Exchange offers cancel on disconnect at the session level, please specify whether it is mandatory or discretionary                        | <input checked="" type="radio"/> Mandatory <input type="radio"/> Discretionary |
| 80   | If Mandatory, provide rule citation                                                                                                              | Enforcement Rules of the Derivatives Market Business Regulation §164-10②       |

## General Exchange Pre-Trade Risk Controls

The following questions pertain to Exchange Pre-Trade Risk Controls Generally.

|      |                                                                                                                    |                                  |                       |                       |                                  |                                  |
|------|--------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------|-----------------------|----------------------------------|----------------------------------|
| 81   | If the Exchange provides pre-trade control tools, where do each of the tools reside?                               |                                  |                       |                       |                                  |                                  |
|      |                                                                                                                    | Gateway                          | Matching engine       | Other                 | Not Applicable                   |                                  |
| 81.a | Maximum order size limits                                                                                          | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            |                                  |
| 81.b | Maximum intraday net position limits                                                                               | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            |                                  |
| 81.c | Maximum intraday gross position limits                                                                             | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            |                                  |
| 81.d | Maximum intraday notional value limits                                                                             | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            |                                  |
| 81.e | Maximum intraday margin utilization/buying power limits                                                            | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            |                                  |
| 81.f | Maximum intraday loss                                                                                              | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            |                                  |
| 81.g | Maximum number of open orders                                                                                      | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            |                                  |
| 81.h | Restricted list management                                                                                         | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            |                                  |
| 81.i | Order/Quote volume limits                                                                                          | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            |                                  |
| 81.j | User defined price collars                                                                                         | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            |                                  |
| 81.k | Number of outstanding order/quote limits                                                                           | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            |                                  |
| 81.l | Outstanding orders/quotes volume limits                                                                            | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            |                                  |
| 81.m | Number of messages per time interval                                                                               | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            |                                  |
| 81.n | Message volume per time interval                                                                                   | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            |                                  |
| 82   | If the Exchange provides any other pre-trade control tools, what are these, and where do each of the tools reside? |                                  |                       |                       |                                  |                                  |
| 83   | If the Exchange provides pre-trade control tools, where do each of the tools reside?                               |                                  |                       |                       |                                  |                                  |
|      |                                                                                                                    | Reject Order                     | Pause Order           | Shut Down Session     | Other                            | Not Applicable                   |
| 83.a | Maximum order size limits                                                                                          | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            | <input type="radio"/>            |
| 83.b | Maximum intraday net position limits                                                                               | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/>            |
| 83.c | Maximum intraday gross position limits                                                                             | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            | <input checked="" type="radio"/> |
| 83.d | Maximum intraday notional value limits                                                                             | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            | <input checked="" type="radio"/> |
| 83.e | Maximum intraday margin utilization/buying power limits                                                            | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            | <input type="radio"/>            |
| 83.f | Maximum intraday loss                                                                                              | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            | <input type="radio"/>            |
| 83.g | Maximum number of open orders                                                                                      | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            | <input type="radio"/>            |
| 83.h | Restricted list management                                                                                         | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            | <input checked="" type="radio"/> |
| 83.i | Order/Quote volume limits                                                                                          | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            | <input type="radio"/>            |
| 83.j | User defined price collars                                                                                         | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            | <input checked="" type="radio"/> |
| 83.k | Number of outstanding order/quote limits                                                                           | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            | <input checked="" type="radio"/> |
| 83.l | Outstanding orders/quotes volume limits                                                                            | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            | <input type="radio"/>            |
| 83.m | Number of messages per time interval                                                                               | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            | <input type="radio"/>            |
| 83.n | Message volume per time interval                                                                                   | <input type="radio"/>            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/>            | <input type="radio"/>            |

|    |                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                         |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 84 | Are there any other details that you would like to provide on the above question?                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                         |
| 85 | If the Exchange provides margin utilization/buying power control limits, how is the margin calculated?                                                                                                                                                                                                                                                                    | Derivatives Market Business Regulation §134,<br>Enforcement Rules of the Derivatives Market Business Regulation §133 (Upfront Initial Customer Margin)<br>Derivatives Market Business Regulation §133,<br>Enforcement Rules of the Derivatives Market Business Regulation §132-2 (Risk Exposure Amount) |
| 86 | Does the Exchange have a risk controls portal available for Clearing Member / Sponsoring Firm and Trader viewing?                                                                                                                                                                                                                                                         | <input checked="" type="radio"/> Yes <input type="radio"/> No                                                                                                                                                                                                                                           |
| 87 | Does the Exchange set default risk controls if nothing is set by the Clearing Member / Sponsoring Firm or Trader?                                                                                                                                                                                                                                                         | <input checked="" type="radio"/> Yes <input type="radio"/> No                                                                                                                                                                                                                                           |
| 88 | If the Exchange provides pre-trade control tools, what is the sequence of events when a pre-trade control check is performed?<br><br>The order is already in the matching engine queue and then the control check is performed ("out of-line check")<br><br>The control check is performed before the order reaches the matching engine and gets queued ("in-line check") | <input type="radio"/><br><br><input type="radio"/>                                                                                                                                                                                                                                                      |
| 89 | If the Exchange provides pre-trade control tools, are the pre-trade controls in the critical path even if they are optional (i.e., is the code still called)?                                                                                                                                                                                                             | <input type="radio"/> Yes <input type="radio"/> No                                                                                                                                                                                                                                                      |
| 90 | If the Exchange provides pre-trade control tools, do any of the controls add latency?                                                                                                                                                                                                                                                                                     | <input type="radio"/> Yes <input type="radio"/> No                                                                                                                                                                                                                                                      |
| 91 | If yes, what is the latency added?                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                         |
| 92 | If the Exchange provides pre-trade control tools, how are users notified if the controls are not operating as intended?                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                         |
| 93 | If the Exchange provides pre-trade control tools, how quickly do changes to the controls go into effect?                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                         |
| 94 | If the Exchange provides pre-trade control tools, is there a notification that the controls have been changed?                                                                                                                                                                                                                                                            | <input type="radio"/> Yes <input type="radio"/> No                                                                                                                                                                                                                                                      |
| 95 | If yes, please provide specifics                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                         |
| 96 | If the Exchange provides pre-trade control tools, are previous control settings stored?                                                                                                                                                                                                                                                                                   | <input type="radio"/> Yes <input type="radio"/> No                                                                                                                                                                                                                                                      |
| 97 | If yes, provide specifics on what information is stored and for how long                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                         |
| 98 | If the Exchange provides pre-trade control tools is an audit trail of controls entered and controls changed available?                                                                                                                                                                                                                                                    | <input type="radio"/> Yes <input type="radio"/> No                                                                                                                                                                                                                                                      |

## Exchange Market Integrity Controls

The following questions pertain to Exchange Market Intergrity Controls.

|       |                                                                                                                                        |                                                                                                                                                                                                                                                                                                 |
|-------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 99    | What controls does the Exchange set to prevent market disruption? Please indicate whether the controls are "available" or "mandatory." |                                                                                                                                                                                                                                                                                                 |
|       |                                                                                                                                        | <div>Available</div> <div>Mandatory</div>                                                                                                                                                                                                                                                       |
| 99.a  | Dynamic price banding                                                                                                                  | <input type="radio"/> Available <input checked="" type="radio"/> Mandatory                                                                                                                                                                                                                      |
| 99.b  | Market pauses or halts                                                                                                                 | <input type="radio"/> Available <input checked="" type="radio"/> Mandatory                                                                                                                                                                                                                      |
| 99.c  | Message policies                                                                                                                       | <input type="radio"/> Available <input type="radio"/> Mandatory                                                                                                                                                                                                                                 |
| 99.d  | Message throttles                                                                                                                      | <input type="radio"/> Available <input type="radio"/> Mandatory                                                                                                                                                                                                                                 |
| 99.e  | Kill switches                                                                                                                          | <input checked="" type="radio"/> Available <input type="radio"/> Mandatory                                                                                                                                                                                                                      |
| 99.f  | Cancel on disconnect                                                                                                                   | <input checked="" type="radio"/> Available <input type="radio"/> Mandatory                                                                                                                                                                                                                      |
| 99.g  | Error policies                                                                                                                         | <input checked="" type="radio"/> Available <input type="radio"/> Mandatory                                                                                                                                                                                                                      |
| 100   | If any of the above are mandatory, please provide the rule citation in each case.                                                      | (Dyanmic price banding) Derivatives Market Business Regulation §70-2 & Enforcement Rules of the Derivatives Market Business Regulation §60-3 (Market pauses or halts) Derivatives Market Business Regulation §76, §77 & Enforcement Rules of the Derivatives Market Business Regulation § 73~75 |
| 101   | If the Exchange has dynamic price banding, does it enable the following?<br><i>Check all that apply</i>                                |                                                                                                                                                                                                                                                                                                 |
| 101.a | Limits differentiated on specific characteristics of a product                                                                         | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                             |
| 101.b | Limit differentiated based on specific conditions of the market                                                                        | <input type="checkbox"/>                                                                                                                                                                                                                                                                        |
| 101.c | Limits that can be adapted intraday                                                                                                    | <input type="checkbox"/>                                                                                                                                                                                                                                                                        |
| 101.d | Other                                                                                                                                  |                                                                                                                                                                                                                                                                                                 |
| 102   | If the Exchange has market pauses or halts, what specific events trigger such halts?<br><i>Check all that apply</i>                    |                                                                                                                                                                                                                                                                                                 |
| 102.a | Orders outside a given price deviations for a given financial instrument                                                               | <input type="checkbox"/>                                                                                                                                                                                                                                                                        |
| 102.b | Change in volatility over a specified time interval for a given financial instrument                                                   | <input type="checkbox"/>                                                                                                                                                                                                                                                                        |
| 102.c | Other                                                                                                                                  | In cases where stocks in stock markets have a circuit breaker triggered, the trading of all equity derivatives based on the relevant stock market, etc. (including futures spread trading for stock markets, etc) shall be suspended.                                                           |
| 103   | If the Exchange applies a market pause or halt for a specific financial instrument, does it coordinate halts with:                     |                                                                                                                                                                                                                                                                                                 |
| 103.a | Related financial instruments on the same exchange                                                                                     | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                             |
| 103.b | Related financial instruments on other exchanges                                                                                       | <input type="checkbox"/>                                                                                                                                                                                                                                                                        |
| 104   | If the Exchange has market pauses or halts, how is price discovery re-established after the event?<br><i>Check all that apply</i>      |                                                                                                                                                                                                                                                                                                 |
| 104.a | Resume continuous trading                                                                                                              | <input type="checkbox"/>                                                                                                                                                                                                                                                                        |
| 104.b | An intraday auction period                                                                                                             | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                             |
| 104.c | Other                                                                                                                                  |                                                                                                                                                                                                                                                                                                 |

|       |                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 105   | If the Exchange has market pauses or halts, how is the event communicated to market participants?<br><i>Check all that apply</i>                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 105.a | Email                                                                                                                                                                                       | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 105.b | Website                                                                                                                                                                                     | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 105.c | Other                                                                                                                                                                                       | Market disclosure and notice(message)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 106   | If the Exchange has market pauses or halts, are the parameters that trigger such events available publicly?<br><i>Check all that apply</i>                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 106.a | Website                                                                                                                                                                                     | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 106.b | On request                                                                                                                                                                                  | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 106.c | Other                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 107   | If the Exchange offers cancel on disconnect functionality, is it enabled by default?<br><div style="text-align: right;"><input type="radio"/> Yes <input checked="" type="radio"/> No</div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 108   | If the Exchange has an error policy, what is the approach to “ <b>single trade</b> ” error trades?<br><i>Check all that apply</i>                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 108.a | Let the trade stand if with defined range                                                                                                                                                   | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 108.b | Let the trade stand if within specified time limit                                                                                                                                          | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 108.c | Adjust the price if it is outside a certain range                                                                                                                                           | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 108.d | Cancel/bust the trade if it outside a certain range                                                                                                                                         | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 108.e | Other                                                                                                                                                                                       | <p>The Exchange may, when engaging in the intermediation of trades, correct the trades that are executed to be inconsistent with the quotation details for any of the following reasons:</p> <ol style="list-style-type: none"> <li>1. The failure of the Exchange derivatives system;</li> <li>2. The failure in program operation of the Exchange derivatives system; and</li> <li>3. Other reasons that are deemed necessary by the Exchange.</li> </ol> <p>In the case of a transaction error made in contract name, quantity, price, specification of bid and ask, quotation type, derivatives account number of customer, etc.: The relevant member shall be asked to take over the relevant trading as a proprietary account trade.</p> |
| 109   | If the Exchange has an error policy, what is the approach to “ <b>mass trade</b> ” error trades?<br><i>Check all that apply</i>                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 109.a | Let trade stand if with defined range                                                                                                                                                       | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 109.b | Let trade stand if within specified time limit                                                                                                                                              | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 109.c | Adjust price if outside a certain range                                                                                                                                                     | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 109.d | Cancel/bust trade if outside a certain range                                                                                                                                                | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 109.e | Other                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 110   | If the Exchange’s error trade policy adjusts prices outside of a certain range, what is the approach for determining that range?                                                            | The resolution limit of transaction errors of futures shall be the value determined by multiplying the previous day’s closing price of underlying asset by the resolution limit ratio of transaction errors.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|     |                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 111 | Are all products subject to the same approach or do some products inherit the same range as other similar products?<br><i>For example, does a calendar spread product inherit the range from the corresponding outright product? Or is the range for that calendar spread product assessed on its own merit?</i> | Different price ratios are applied by product, and spreads are also applied with different price ratios from individual products. |
| 112 | How often are these ranges reviewed to ensure they offer appropriate protection?                                                                                                                                                                                                                                 | N/A                                                                                                                               |
| 113 | How often has the error trade policy been invoked in the past 12 months, and what were the circumstances for each?                                                                                                                                                                                               | N/A                                                                                                                               |
| 114 | Does the Exchange have a clearly defined dispute resolution forum in case of error trades?                                                                                                                                                                                                                       | <input type="radio"/> Yes <input checked="" type="radio"/> No                                                                     |
| 115 | If yes, what is the forum and dispute resolution process                                                                                                                                                                                                                                                         | N/A                                                                                                                               |

## Exchange Certification and Testing Environments

The following questions pertain to Exchange Market Integrity Controls.

|       |                                                                                                                                                                                                 |                                                               |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| 116   | Does the Exchange provide a certification environment for certifying vendor and proprietary trading systems?                                                                                    | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| 117   | If the Exchange provides a certification environment, which specific functions must be certified?<br><i>Check all that apply</i>                                                                |                                                               |
| 117.a | Ability of the system to communicate with the exchange                                                                                                                                          | <input type="checkbox"/>                                      |
| 117.b | Specific trading functionality offered by the system                                                                                                                                            | <input checked="" type="checkbox"/>                           |
| 117.c | Specific risk functionality offered by the system                                                                                                                                               | <input checked="" type="checkbox"/>                           |
| 117.e | Other                                                                                                                                                                                           |                                                               |
| 118   | Does the Exchange provide one certification environment for current production and another environment for the next version of production?                                                      | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| 119   | If yes, what is the availability of the certification environment?                                                                                                                              | offer period: Business days / offer time: Business hours      |
| 120   | How closely does the certification environment mirror the production environment?                                                                                                               |                                                               |
| 120.a | Exact duplicate with mirrored synthetic market activity from production                                                                                                                         | <input checked="" type="checkbox"/>                           |
| 120.b | Exact duplicate without mirrored market activity, only activity from other certification activity                                                                                               | <input type="checkbox"/>                                      |
| 120.c | Other                                                                                                                                                                                           |                                                               |
| 121   | Does the Exchange provide one certification environment for current production and another environment for the next version of production?                                                      | <input type="radio"/> Yes <input checked="" type="radio"/> No |
| 122   | If the Exchange offers a certification environment, which of the following tests can be performed in this environment?<br><i>Check all that apply</i>                                           |                                                               |
| 122.a | Unit testing                                                                                                                                                                                    | <input checked="" type="checkbox"/>                           |
| 122.b | Functional testing (integration, regression)                                                                                                                                                    | <input checked="" type="checkbox"/>                           |
| 122.c | Non-functional testing (load, stress, performance, scalability)                                                                                                                                 | <input checked="" type="checkbox"/>                           |
| 122.d | Acceptance testing                                                                                                                                                                              | <input checked="" type="checkbox"/>                           |
| 123   | If the Exchange offers a certification environment, which of the following actions can be performed in this environment?<br><i>Check all that apply</i>                                         |                                                               |
| 123.a | Send a test order                                                                                                                                                                               | <input checked="" type="checkbox"/>                           |
| 123.b | Send a cancel of the test order                                                                                                                                                                 | <input checked="" type="checkbox"/>                           |
| 123.c | Test all order types (blocks, crosses, etc.)                                                                                                                                                    | <input checked="" type="checkbox"/>                           |
| 123.d | Receive confirmation of a cancellation of test order                                                                                                                                            | <input checked="" type="checkbox"/>                           |
| 123.e | Receive confirmation of partial execution of the test order and cancellation                                                                                                                    | <input checked="" type="checkbox"/>                           |
| 123.f | Receive confirmation of full execution of the test order and cancellation                                                                                                                       | <input checked="" type="checkbox"/>                           |
| 123.g | Receive confirmation of rejection of the test order                                                                                                                                             | <input checked="" type="checkbox"/>                           |
| 123.h | Receive confirmation of enabled risk controls working in the environment                                                                                                                        | <input type="checkbox"/>                                      |
| 123.i | Test pre-trade risk control functionality                                                                                                                                                       | <input type="checkbox"/>                                      |
| 124   | How are certification and live environments segregated?<br><i>i.e., Are applicable orders (test or live) going over the same wires such that a configuration error can have a major impact?</i> | Separated by physical network                                 |

|                     |                                                                                                                                      |                                                               |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| General Information |                                                                                                                                      |                                                               |
| 125                 | Does the Exchange provide information on the following to the public via website/exchange portal?<br><i>Check all that apply</i>     |                                                               |
| 125.a               | Risk control tools provided by the Exchange to Traders                                                                               | <input checked="" type="checkbox"/>                           |
| 125.b               | Risk control tools provided by the Exchange to Clearing Members/Sponsoring Firms                                                     | <input checked="" type="checkbox"/>                           |
| 125.c               | Mechanisms used by the Exchange to protect market integrity                                                                          | <input checked="" type="checkbox"/>                           |
| 126                 | Does the Exchange verify Exchange set market integrity control settings to ensure that the values would prevent a market disruption? | <input type="radio"/> Yes <input checked="" type="radio"/> No |
| 127                 | Does the Exchange test and validate all Exchange provided risk control tools to ensure that they are operating properly?             | <input type="radio"/> Yes <input checked="" type="radio"/> No |
| 128                 | Is there any additional information that you would like to provide on the Exchange's risk control tools?                             |                                                               |