

Quantitative Disclosure

As of December 31th, 2019 - All financial data in BRL, unless otherwise specified

CREDIT RISK

| 4.1 | Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service Quarterly - As at quarter end | |
|--------|--|--|
| 4.1.1 | Prefunded resources - Own capital used before member contributions | 636,110,672 |
| 4.1.2 | Prefunded resources - Own capital used alongside member contributions | - |
| 4.1.3 | Prefunded resources - Own capital used after member contributions | - |
| 4.1.4 | Prefunded resources - Aggregate participant contributions - required amount | 720,925,432 |
| 4.1.5 | Prefunded resources - Aggregate participant contributions - posted amount - Post-haircut | 799,486,151 |
| 4.1.6 | Prefunded resources - Other | 2,123,737,160 <i>See note 4.1.6</i> |
| 4.1.7 | Committed resources - Own/parent funds committed to address a participant default (or round of participant defaults) | - |
| 4.1.8 | Committed resources - Aggregate participant commitments to address an initial participant default (or initial round of participant defaults) | - |
| 4.1.9 | Committed resources - Aggregate participant commitments to replenish the default fund to deal with a subsequent participant default (or round of participant defaults) after the initial participant default (or round | 705,022,665 <i>See note 4.1.9</i> |
| 4.1.10 | Committed resources - Other | - |

| 4.2 | K_{CCP} Quarterly - As at quarter end | |
|-------|---|---|
| 4.2.1 | K_{CCP} (reported only by CCPs which are or seek to be a "qualifying CCP" under relevant law) | BRL 24.242.677 <i>See note 4.2.1</i> |

| 4.3 | Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by asset type Quarterly - As at quarter end | | |
|--------|---|--------------|-----------------------|
| 4.3.1 | Cash deposited at a central bank of issue of the currency concerned | Pre-haircut | <i>Not applicable</i> |
| | | Post-haircut | |
| 4.3.2 | Cash deposited at other central banks | Pre-haircut | <i>Not applicable</i> |
| | | Post-haircut | |
| 4.3.3 | Secured cash deposited at commercial banks (including reverse repo) | Pre-haircut | - |
| | | Post-haircut | - |
| 4.3.4 | Unsecured cash deposited at commercial banks | Pre-haircut | - |
| | | PostHaircut | - |
| 4.3.5 | Non-cash Sovereign government bonds - Domestic | Pre-haircut | 3,594,678,797 |
| | | Post-haircut | 3,594,678,797 |
| 4.3.6 | Non-cash Sovereign government bonds - Other | Pre-haircut | <i>Not eligible</i> |
| | | Post-haircut | |
| 4.3.7 | Non-cash Agency bonds | Pre-haircut | <i>Not eligible</i> |
| | | Post-haircut | |
| 4.3.8 | Non-cash State/municipal bonds | Pre-haircut | <i>Not eligible</i> |
| | | Post-haircut | |
| 4.3.9 | Non-cash Corporate bonds | Pre-haircut | <i>Not eligible</i> |
| | | Post-haircut | |
| 4.3.10 | Non-cash Equities | Pre-haircut | <i>Not eligible</i> |
| | | PostHaircut | |
| 4.3.11 | Non-cash Commodities - gold | Pre-haircut | <i>Not eligible</i> |
| | | Post-haircut | |
| 4.3.12 | Non-cash Commodities - other | Pre-haircut | <i>Not eligible</i> |
| | | Post-haircut | |
| 4.3.13 | Non-cash Mutual funds / UCITs | Pre-haircut | <i>Not eligible</i> |
| | | Post-haircut | |
| 4.3.14 | Non-cash Other (explanation of type of asset must be provided) | Pre-haircut | - |
| | | Post-haircut | - |
| 4.3.15 | Total | Pre-haircut | 3,594,678,797 |
| | | Post-haircut | 3,594,678,797 |

| 4.4 | Credit risk disclosures Quarterly | |
|-------|--|----------------|
| 4.4.1 | Minimum requirement the CCP is subject to in relation to total pre-funded default resources ("Cover 1" or "Cover 2") | <i>Cover 2</i> |

| | | | |
|--------|---|---------------------------------------|--|
| 4.4.2 | Number of business days within which the CCP assumes it will close out the default when calculating credit exposures that would potentially need to be covered by the default fund. | | <i>Up to 10 For details per contract type and liquidity constraints, please refer to 6.4.11.</i> |
| 4.4.3 | The estimated largest aggregate stress loss (in excess of initial margin) that would be caused by the default of any single participant and its affiliates (including transactions cleared for indirect participants) in extreme but plausible market conditions. | Peak Day Amount In Previous 12 Months | 1,457,000,000 |
| | | Mean Average Over Previous 12 Months | 654,000,000 |
| 4.4.4 | Number of business days, if any, on which the above amount (4.4.3) exceeded actual pre-funded default resources (in excess of initial margin) | | - |
| 4.4.5 | The amount in 4.4.3 which exceeded actual pre-funded default resources (in excess of initial margin) | Amount Exceeded (on each day) | - |
| 4.4.6 | The actual largest aggregate credit exposure (in excess of initial margin) to any single participant and its affiliates (including transactions cleared for indirect participants) | Peak Day Amount In Previous 12 Months | 184,714,064 |
| | | Mean Average Over Previous 12 Months | 10,148,453 |
| 4.4.7 | The estimated largest aggregate stress loss (in excess of initial margin) that would be caused by the default of any two participants and their affiliates (including transactions cleared for indirect participants) in extreme but plausible market conditions. | Peak Day Amount In Previous 12 Months | 2,487,000,000 |
| | | Mean Average Over Previous 12 Months | 1,124,000,000 |
| 4.4.8 | Number of business days, if any, on which the above amount (4.4.7) exceeded actual pre-funded default resources (in excess of initial margin). | | - |
| 4.4.9 | The amount in 4.4.7 which exceeded actual pre-funded default resources (in excess of initial margin) | Amount Exceeded | - |
| 4.4.10 | The actual largest aggregate credit exposure (in excess of initial margin) to any two participants and their affiliates (including transactions cleared for indirect participants) | Peak Day Amount In Previous 12 Months | 188,376,291 |
| | | Mean Average Over Previous 12 Months | 13,011,432 |

COLLATERAL

| | | | |
|-------|---|--|--|
| 5.1 | Assets eligible as initial margin and the respective haircuts applied Update as changes are made | | |
| 5.1.1 | Assets eligible as initial margin and the respective haircuts applied | | Link Link |

| | | | |
|-------|--|--|----------------|
| 5.2 | Assets eligible for pre-funded participant contributions to the default resources, and the respective haircuts applied (if different from 5.1) Update as changes are made | | |
| 5.2.1 | Assets eligible for pre-funded participant contributions to the default resources, and the respective haircuts applied (if different from 5.1) | | See note 5.2.1 |

| | | | |
|-------|---|--|--|
| 5.3 | Results of testing of haircuts Quarterly | | |
| 5.3.1 | Confidence interval targeted through the calculation of haircuts | | 99.5% - Commodities derivatives 99.96% - Other products See note 5.3.1 |
| 5.3.2 | Assumed holding/liquidation period for the assets accepted | | From 1 to 10 days |
| 5.3.3 | Look-back period used for testing the haircuts | | See note 5.3.3 |
| 5.3.4 | Number of days during the look-back period on which the fall in value during the assumed holding/liquidation period exceeded the haircut on an asset. | | See note 5.3.4 |

MARGIN

| | | | |
|-------|--|--------------|-----------------|
| 6.1 | For each clearing service, total initial margin required, split by house and client (or combined total if not segregated) Quarterly - As at quarter end | | |
| 6.1.1 | Total initial margin required | House net | See note 6.1.1 |
| | | Client gross | 217,563,182,155 |
| | | Client net | See note 6.1.1 |
| | | Total | 217,563,182,155 |

| | | | |
|-------------------------|--|--------------------------|----------------|
| 6.2 | For each clearing service, total initial margin held, split by house and client Quarterly - As at quarter end | | |
| 6.2.1 | Cash deposited at a central bank of issue of the currency concerned | | Not applicable |
| 6.2.2 | Cash deposited at other central banks | | Not applicable |
| 6.2.3 | Secured cash deposited at commercial banks (including reverse repo) | House IM - Pre haircut | See note 6.1.1 |
| | | House IM - Post haircut | |
| | | Client IM - Pre haircut | 1,005,050 |
| | | Client IM - Post haircut | 1,005,050 |
| | | Total IM - Pre haircut | 1,005,050 |
| Total IM - Post haircut | 1,005,050 | | |

| | | | | |
|--------|--|--------------------------|-----------------------|-----------------|
| 6.2.4 | Unsecured cash deposited at commercial banks | House IM - Pre haircut | <i>See note 6.1.1</i> | |
| | | House IM - Post haircut | | |
| | | Client IM - Pre haircut | | 292,513,260 |
| | | Client IM - Post haircut | | 267,054,844 |
| | | Total IM - Pre haircut | | 292,513,260 |
| | | Total IM - Post haircut | | 267,054,844 |
| 6.2.5 | Non-cash Sovereign government bonds - Domestic (<i>See note 6.2.5</i>) | House IM - Pre haircut | <i>See note 6.1.1</i> | |
| | | House IM - Post haircut | | |
| | | Client IM - Pre haircut | | 264,391,788,888 |
| | | Client IM - Post haircut | | 263,195,976,050 |
| | | Total IM - Pre haircut | | 264,391,788,888 |
| | | Total IM - Post haircut | | 263,195,976,050 |
| 6.2.6 | Non-cash Sovereign government bonds - Other | House IM - Pre haircut | <i>See note 6.1.1</i> | |
| | | House IM - Post haircut | | |
| | | Client IM - Pre haircut | | 5,402,131,572 |
| | | Client IM - Post haircut | | 4,894,285,580 |
| | | Total IM - Pre haircut | | 5,402,131,572 |
| | | Total IM - Post haircut | | 4,894,285,580 |
| 6.2.7 | Non-cash Agency bonds | House IM - Pre haircut | <i>Not eligible</i> | |
| | | House IM - Post haircut | | |
| | | Client IM - Pre haircut | | |
| | | Client IM - Post haircut | | |
| | | Total IM - Pre haircut | | |
| | | Total IM - Post haircut | | |
| 6.2.8 | Non-cash State/municipal bonds | House IM - Pre haircut | <i>Not eligible</i> | |
| | | House IM - Post haircut | | |
| | | Client IM - Pre haircut | | |
| | | Client IM - Post haircut | | |
| | | Total IM - Pre haircut | | |
| | | Total IM - Post haircut | | |
| 6.2.9 | Non-cash Corporate bonds | House IM - Pre haircut | <i>Not eligible</i> | |
| | | House IM - Post haircut | | |
| | | Client IM - Pre haircut | | |
| | | Client IM - Post haircut | | |
| | | Total IM - Pre haircut | | |
| | | Total IM - Post haircut | | |
| 6.2.10 | Non-cash Equities | House IM - Pre haircut | <i>See note 6.1.1</i> | |
| | | House IM - Post haircut | | |
| | | Client IM - Pre haircut | | 88,506,500,914 |
| | | Client IM - Post haircut | | 75,698,409,687 |
| | | Total IM - Pre haircut | | 88,506,500,914 |
| | | Total IM - Post haircut | | 75,698,409,687 |
| 6.2.11 | Non-cash Commodities - gold | House IM - Pre haircut | <i>See note 6.1.1</i> | |
| | | House IM - Post haircut | | |
| | | Client IM - Pre haircut | | 19,207,948 |
| | | Client IM - Post haircut | | 17,373,257 |
| | | Total IM - Pre haircut | | 19,207,948 |
| | | Total IM - Post haircut | | 17,373,257 |
| 6.2.12 | Non-cash Commodities - other | House IM - Pre haircut | <i>Not eligible</i> | |
| | | House IM - Post haircut | | |
| | | Client IM Pre haircut | | |
| | | Client IM - Post haircut | | |
| | | Total IM - Pre haircut | | |
| | | Total IM -Post haircut | | |
| 6.2.13 | Non-cash Mutual funds / UCITs | House IM - Pre haircut | <i>Not eligible</i> | |
| | | House IM - Post haircut | | |
| | | Client IM - Pre haircut | | |
| | | Client IM - Post haircut | | |
| | | Total IM - Pre haircut | | |
| | | Total IM - Post haircut | | |
| 6.2.14 | Non-cash Other (<i>See note 6.2.14</i>) | House IM - Pre haircut | <i>See note 6.1.1</i> | |
| | | House IM - Post haircut | | |
| | | Client IM - Pre haircut | | 7,188,825,863 |
| | | Client IM - Post haircut | | 7,188,825,863 |
| | | Total IM - Pre haircut | | 7,188,825,863 |
| | | Total IM - Post haircut | | 7,188,825,863 |
| 6.2.15 | Total initial margin held | HouseIM_Pre haircut | <i>See note 6.1.1</i> | |
| | | HouseIM_Post haircut | | |
| | | ClientIM_Pre haircut | 365,801,973,494 | |
| | | ClientIM_Post haircut | 351,262,930,331 | |
| | | | <i>See note 6.2</i> | |
| | | | <i>See note 6.2</i> | |

| | | |
|-------|---|---|
| 6.3 | Initial margin rates on individual contracts, where the CCP sets such rates Update as changes are made | |
| 6.3.1 | Initial margin rates on individual contracts where the CCP sets such rates | Link <i>See note 6.3.1</i> |

| 6.4 | Type of initial margin model used and the key model design parameters for each initial margin model Quarterly (all changes made during the quarter, including effective dates, shall be listed) | | |
|--------|--|--|-------------------|
| 6.4.1 | Type of initial margin model | Stress test See note 6.4.1 | |
| 6.4.2 | Type of initial margin model change - effective date | August 18, 2014 See note 6.4.2 | |
| 6.4.3 | Initial margin model name | CORE - Closeout Risk Evaluation | |
| 6.4.4 | Initial margin model name change - effective date | August 18, 2014 | |
| 6.4.5 | Single tailed confidence level targeted | 99.5% - Commodities derivatives 99.96% - Other products See note 6.4.5 | |
| 6.4.6 | Single tailed confidence level targeted change - effective date | August 18, 2014 | |
| 6.4.7 | Sample/data look back period for calibrating the model | See note 6.4.7 | |
| 6.4.8 | Sample/data look back period for calibrating the model change - effective date | See note 6.4.7 | |
| 6.4.9 | Adjustments or scalars or weighting, if any, applied to historical data (e.g. to reflect changes in volatility) | Not applicable | |
| 6.4.10 | Adjustments change - effective date | Not applicable | |
| 6.4.11 | Close out/holding periods by product (or, if varying, contract type) | Equity options | 2 days |
| | | Futures, securities lending, equity forwards, cash equities | From 2 to 10 days |
| | | Financial options | 5 days |
| | | OTC derivatives (swap, non-deliverable forward, flexible option) | 10 days |
| 6.4.12 | Close out/holding period change - effective date | August 18, 2014 See note 6.4.12 | |
| 6.4.13 | Initial margin rates link (margin rate per contract and details of the offsets between different contracts) | See 6.3.1 | |
| 6.4.14 | Frequency of parameter review | Daily See note 6.4.14 | |
| 6.4.15 | Frequency of parameter review change - effective date | August 18, 2014 | |

| 6.5 | Results of back-testing of initial margin Quarterly - Peak and average amount of excess | |
|---------|--|--|
| 6.5.1.1 | Number of times over the past 12 months that margin coverage held against any account fell below the actual marked-to-market exposure of that member account - based on daily back-testing results | 7.408 (the back testing applies at the individual client account) |
| 6.5.1.2 | Frequency of daily back-testing result measurements. | Once a day |
| 6.5.1.3 | Time of daily back-testing result if measured once a day. | End of day |
| 6.5.2 | Number of observations | 19,499,732 |
| 6.5.3 | Achieved coverage level | 99.96% |
| 6.5.4 | Where breaches of initial margin coverage have occurred, size of uncovered exposure - peak size | 37,555,770 |
| 6.5.5 | Where breaches of initial margin coverage have occurred, size of uncovered exposure - average size | 35,879 |

| 6.6 | Average total variation margin paid to the CCP by participants each business day Quarterly - Average per business day over the quarter | |
|-------|---|---------------------------------|
| 6.6.1 | Average total variation margin paid to the CCP by participants each business day | 1,626,183,879 See note 6.6.1 |

| 6.7 | Maximum total variation margin paid to the CCP on any given business day over the period Quarterly - Maximum over quarter | |
|-------|--|---------------------------------|
| 6.7.1 | Maximum total variation margin paid to the CCP on any given business day over the period | 6,292,808,021 See note 6.6.1 |

| 6.8 | Maximum aggregate initial margin call on any given business day over the period Quarterly - Maximum over quarter | |
|-------|---|---------------|
| 6.8.1 | Maximum aggregate initial margin call on any given business day over the period | 3,122,461,231 |

LIQUIDITY RISK

| 7.1 | Liquidity risk - size and composition of qualifying liquid resources Quarterly - As at quarter end | |
|-------|---|----------------------------------|
| 7.1.1 | Sufficiency of liquid resources maintained by the clearing service: 'Cover 1' or 'Cover 2' | Cover 2 |
| 7.1.2 | Cash deposited at a central bank of issue of the currency concerned | Not applicable |
| 7.1.3 | Cash deposited at other central banks | Not applicable |
| 7.1.4 | Secured cash deposited at commercial banks (including reverse repo) | - |
| 7.1.5 | Unsecured cash deposited at commercial banks | - |
| 7.1.6 | Secured committed lines of credit (those for which collateral/security will be provided by the CCP if drawn) including committed foreign exchange swaps and committed repos | 21,850,000,000 See note 7.1.6 |
| 7.1.7 | Unsecured committed lines of credit (which the CCP may draw without providing collateral/security) | 4,490,000,000 |

| | | |
|--------|--|------------------|
| 7.1.8 | Highly marketable collateral held in custody and investments that are readily available and convertible into cash with prearranged and highly reliable funding arrangements even in extreme but plausible market conditions. | 2,190,220,720 |
| 7.1.9 | Other (please specify) | 2,000,000,000 |
| 7.1.10 | CCP routine access to central bank liquidity or facilities | Yes, via B3 BANK |
| 7.1.11 | Details regarding the schedule of payments or priority for allocating payments, if such exists, and any applicable rule, policy, procedure, and governance arrangement around such decision making. | - |

| | | |
|------------|--|---|
| 7.2 | Liquidity risk - Size and composition of any supplementary liquidity risk resources above those qualifying liquid resources above Quarterly - As at quarter end | |
| 7.2.1 | Size and composition of any supplementary liquidity risk resources for each clearing service above those qualifying liquid resources in 7.1 | - |

| | | | |
|-------------------|---|------------------------|---|
| 7.3 | Liquidity risk - multiple items Quarterly | | |
| 7.3.1 | Estimated largest same-day and, where relevant, intraday and multiday payment obligation in total that would be caused by the default of any single participant and its affiliates (including transactions cleared for indirect participants) in extreme but plausible market conditions; Forward looking | Same Day Payment_Total | 7,592,000,000 |
| | | Same Day Payment | 7,592,000,000 |
| | | Intra Day Payment | Not applicable |
| | | Multi Day Payment | Not applicable |
| 7.3.2 | Report the number of business days, if any, on which the above amount exceeded its qualifying liquid resources (identified as in 7.1, and available at the | No. of days in quarter | - |
| 7.3.3 | Actual largest intraday and multiday payment obligation of a single participant and its affiliates (including transactions cleared for indirect participants) over the past twelve months Peak day amount in previous twelve months | Amount Exceeded | - |
| | | Same Day Payment_Total | 4,019,556,278 |
| | | Same Day Payment | 4,019,556,278 |
| | | Intra Day Payment | Not applicable |
| 7.3.4 | Estimated largest same-day and, where relevant, intraday and multiday payment obligation in each relevant currency that would be caused by the default of any single participant and its affiliates (including transactions cleared for indirect participants) in extreme but plausible market conditions; Forward looking measure reported quarterly | Multi Day Payment | Not applicable |
| | | Same Day Payment_Total | Clearing members settle exclusively in local currency. Please refer to the above items. |
| | | Same Day Payment | |
| | | Intra Day Payment | |
| Multi Day Payment | | | |
| 7.3.5 | Number of business days, if any, on which the above amounts exceeded its qualifying liquid resources in each relevant currency (as identified in 7.1 and available at the point the breach occurred), and by how much | Number Of Days_USD | |
| | | Number Of Days_EUR | |
| | | Number Of Days_GBP | |
| | | Amount Exceeded | |

EXCHANGE-OF-VALUE SETTLEMENT SYSTEMS

| | | |
|-------------|---|----------------|
| 12.1 | Percentage of settlements by value effected using a DvP, DvD or PVP settlement mechanism Quarterly | |
| 12.1.1 | Percentage of settlements by value effected using a DvP settlement mechanism | 63.17% |
| 12.1.2 | Percentage of settlements by value effected using a DvD settlement mechanism | Not applicable |
| 12.1.3 | Percentage of settlements by value effected using a PVP settlement mechanism | Not applicable |

| | | |
|-------------|--|----------------|
| 12.2 | Percentage of settlements by volume effected using a DvP, DvD or PVP settlement mechanism Quarterly | |
| 12.2.1 | Percentage of settlements by volume effected using a DvP settlement mechanism | 24.06% |
| 12.2.2 | Percentage of settlements by volume effected using a DvD settlement mechanism | Not applicable |
| 12.2.3 | Percentage of settlements by volume effected using a PVP settlement mechanism | Not applicable |

DEFAULT RULES AND PROCEDURES

| | | |
|-------------|--|-----------------------------------|
| 13.1 | Quantitative information related to defaults Ad-hoc | |
| 13.1.1 | Amount of loss versus amount of initial margin | fault during the relevant quarter |
| 13.1.2 | Amount of other financial resources used to cover losses | |
| 13.1.3.1 | Proportion of client positions closed-out | |
| 13.1.3.2 | Proportion of client positions ported | |
| 13.1.4 | Appropriate references to other published material related to the defaults | |

SEGREGATION AND PORTABILITY

| | | |
|-------------|--|---------|
| 14.1 | Total client positions held as a share of notional values cleared or of the settlement value of securities transactions Quarterly - As at quarter end | |
| 14.1.1 | Total client positions held in individually segregated accounts | 100.00% |
| 14.1.2 | Total client positions held in omnibus client-only accounts, other than LSOC accounts | 0.00% |
| 14.1.3 | Total client positions held in legally segregated but operationally commingled (LSOC) accounts | 0.00% |
| 14.1.4 | Total client positions held in comingled house and client accounts | 0.00% |

GENERAL BUSINESS RISK

| | | |
|-------------|---|-------------|
| 15.1 | General business risk Annual | |
| 15.1.1 | Value of liquid net assets funded by equity | 540,000,000 |
| 15.1.2 | Six months of current operating expenses | 537,100,500 |

| | | |
|-------------|---|-----------------|
| 15.2 | General business risk - financial disclosures Annual | |
| 15.2.1 | Total Revenue | 6,446,999,000 |
| 15.2.2 | Total Expenditure | 2,607,421,000 |
| 15.2.3 | Profits | 2,714,166,000 |
| 15.2.4 | Total Assets | 40,652,767,000 |
| 15.2.5 | Total Liabilities | 15,264,766,000 |
| 15.2.6 | Explain if collateral posted by clearing participants is held on or off the CCP's balance sheet | See note 15.2.6 |
| 15.2.7 | Additional items as necessary | Not applicable |

| | | |
|-------------|--|--------------------------|
| 15.3 | General business risk - income breakdown Annual | |
| 15.3.1 | Percentage of total income that comes from fees related to provision of clearing services | See note 15.3.1 |
| 15.3.2 | Percentage of total income that comes from the reinvestment (or rehypothecation) of assets provided by clearing participants | 1,78% See note 15.3.2 |

CUSTODY AND INVESTMENT RISKS

| | | |
|-------------|---|---------------|
| 16.1 | Total cash (but not securities) received from participants, regardless of the form in which it is held, deposited or invested, split by whether it was received as initial margin or default fund contribution Quarterly - As at quarter end | |
| 16.1.1 | Total cash (but not securities) received from participants, regardless of the form in which it is held, deposited or invested, received as initial margin | 2,946,709,489 |
| 16.1.2 | Total cash (but not securities) received from participants, regardless of the form in which it is held, deposited or invested, received as default fund contribution | - |

| | | | |
|-------------|--|--|---------|
| 16.2 | How total cash received from participants (ie the combined total of initial margin and default fund contributions in 16.1) is held/deposited/invested Quarterly - As at quarter end | | |
| 16.2.1 | Percentage of total participant cash held as cash deposits (including through reverse repo) | 9.10% | |
| 16.2.2 | At central banks of issue of the currency deposited | Not applicable | |
| 16.2.3 | At other central banks | Not applicable | |
| 16.2.4 | As cash deposits at commercial banks (Secured, including through reverse repo) | 0.04% | |
| 16.2.5 | As cash deposits at commercial banks (Unsecured) | 9.06% | |
| 16.2.6 | In money market funds | 0.00% | |
| 16.2.7 | In other forms | 0.00% | |
| 16.2.8 | Percentage of total participant cash held as cash deposits (including through reverse repo), split by currency of these cash deposits (including reverse repo) and money market funds by CCY | Percentage_USD | 100.00% |
| | | Percentage_EUR | 0.00% |
| | | Percentage_GBP | 0.00% |
| 16.2.9 | Percentage of total participant cash held as cash deposits (including through reverse repo) - weighted average maturity of these cash deposits (including reverse repo) and money market funds | Not applicable | |
| 16.2.10 | Percentage of total participant cash invested in securities Domestic sovereign government bonds | 90.90% | |
| 16.2.11 | Percentage of total participant cash invested in securities Other sovereign government bonds | 0.00% | |
| 16.2.12 | Percentage of total participant cash invested in securities Agency Bonds | 0.00% | |
| 16.2.13 | Percentage of total participant cash invested in securities State/municipal bonds | 0.00% | |
| 16.2.14 | Percentage of total participant cash invested in securities Other instruments | 0.00% | |
| 16.2.15 | Percentage of total participant cash invested in securities, split by currency of these securities Specify local currency in comments | BRL (local currency) 100.00% | |
| 16.2.16 | Weighted average maturity of securities | 222.09 days | |
| 16.2.17 | Estimate of the risk on the investment portfolio (excluding central bank and commercial bank deposits) (99% one-day VaR, or equivalent) | Not applicable See note 16.2.17 | |
| 16.2.18 | Does the CCP investment policy set a limit on the proportion of the investment portfolio that may be allocated to a single counterparty? Size of that limit | Yes. B3's investment policy only allows investments in Brazilian government bonds or floating-rate repo transactions (backed by Brazilian government bonds). | |
| 16.2.19 | Number of times over the previous quarter in which this limit has been exceeded. | - | |
| 16.2.20 | Percentage of total participant cash held as securities. | 90.90% | |

| | | | |
|-------------|---|-------|---|
| 16.3 | Rehypothecation of participant assets (ie non-cash) by the CCP where allowed, split by initial margin and default fund Quarterly - As at quarter end | | |
| 16.3.1 | Total value of participant non-cash rehypothecated (Initial margin) | | <i>Not applicable. B3 does not rehypothecate participant's assets</i> |
| 16.3.2 | Total value of participant non-cash rehypothecated (Default fund) | | |
| 16.3.3 | Rehypothecation of participant assets (ie non-cash) by the CCP where allowed - initial margin Over the following maturities: Overnight/one day; one day and up to one week; One week and up to one month; One month and up to one year; One year and up to two years; Over two years | ON_1D | |
| | | 1D_1W | |
| | | 1W_1M | |
| | | 1M_1Y | |
| | | 1Y_2Y | |
| 16.3.4 | Rehypothecation of participant assets (ie non-cash); default fund Over the following maturities: Overnight/one day; one day and up to one week; One week and up to one month; One month and up to one year; One year and up to two years; Over two years | 2Y+ | |
| | | ON_1D | |
| | | 1D_1W | |
| | | 1W_1M | |
| | | 1M_1Y | |
| | | 1Y_2Y | |
| | | 2Y+ | |

OPERATIONAL RISK

| | | | |
|-------------|--|--|--------|
| 17.1 | Operational availability target for the core system(s) involved in clearing (whether or not outsourced) over specified period for the system (e.g. 99.99% over a twelve-month period) Quarterly | | |
| 17.1.1 | Operational availability target for the core system(s) involved in clearing (whether or not outsourced) over specified period for the system | | 99.80% |

| | | | |
|-------------|--|--|--------|
| 17.2 | Actual availability of the core system(s) over the previous twelve month period Quarterly | | |
| 17.2.1 | Actual availability of the core system(s) over the previous twelve month period | | 99.91% |

| | | | |
|-------------|---|---------------------|---|
| 17.3 | Total number of failures Quarterly | | |
| 17.3.1 | Total number of failures and duration affecting the core system(s) involved in clearing over the previous twelve month period | Duration of Failure | 17 failures 136h08min See note 17.3.1 |

| | | | |
|-------------|---|--|-----------|
| 17.4 | Recovery time objective(s) (e.g. within two hours) Quarterly | | |
| 17.4.1 | Recovery time objective(s) | | Two hours |

ACCESS AND PARTICIPATION

| | | | |
|-------------|--|--|-------------------------|
| 18.1 | Number of clearing members, by clearing service Quarterly - As at quarter end | | |
| 18.1.1.1 | Number of general clearing members | | See note 18.1.1 |
| 18.1.1.2 | Number of direct clearing members | | See note 18.1.1 |
| 18.1.1.3 | Number of other categories (describe in comments) | | 71 |
| 18.1.2.1 | Number of central bank participants | | See note 18.1.2.1 |
| 18.1.2.2 | Number of CCP participants | | - |
| 18.1.2.3 | Number of bank participants | | 32 |
| 18.1.2.4 | Number of other participants (describe in comments) | | 39 See note 18.1.2.4 |
| 18.1.3.1 | Number of domestic participants | | 71 See note 18.1.3.1 |
| 18.1.3.2 | Number of foreign participants | | - |

| | | | |
|-------------|--|--------------------|----------------|
| 18.2 | Open position concentration Quarterly | | |
| 18.2.1 | For each clearing service with 10 to 25 members, percentage of open positions held by the largest 5 clearing members, including both house and client, in aggregate | Average In Quarter | Not applicable |
| | | Peak In Quarter | Not applicable |
| 18.2.2 | For each clearing service with 25 or more members, percentage of open positions held by the largest 5 clearing members, including both house and client, in aggregate | Average In Quarter | 63.27% |
| | | Peak In Quarter | 72.27% |
| 18.2.3 | For each clearing service with 25 or more members, percentage of open positions held by the largest 10 clearing members, including both house and client, in aggregate | Average In Quarter | 82.22% |
| | | Peak In Quarter | 85.68% |

| 18.3 | Initial margin concentration Quarterly | | |
|--------|--|--------------------|-----------------------|
| 18.3.1 | For each clearing service with 10 - 25 members, percentage of initial margin posted by the largest 5 clearing members, including both house and client, in aggregate | Average In Quarter | <i>Not applicable</i> |
| | | Peak In Quarter | <i>Not applicable</i> |
| 18.3.2 | For each clearing service with 25 or more members, percentage of initial margin posted by the largest 5 clearing members, including both house and client, in aggregate | Average In Quarter | 51.10% |
| | | Peak In Quarter | 52.23% |
| 18.3.3 | For each clearing service with 25 or more members, percentage of initial margin posted by the largest 10 clearing members, including both house and client, in aggregate | Average In Quarter | 67.08% |
| | | Peak In Quarter | 68.37% |

| 18.4 | Segregated default fund concentration Quarterly | | |
|--------|---|--|-----------------------|
| 18.4.1 | For each segregated default fund with 10 to 25 members, percentage of participant contributions to the default fund contributed by largest 5 clearing members in aggregate | | <i>Not applicable</i> |
| 18.4.2 | For each segregated default fund with 25 or more members, percentage of participant contributions to the default fund contributed by largest 5 clearing members in aggregate | | 11.03% |
| 18.4.3 | For each segregated default fund with 25 or more members, percentage of participant contributions to the default fund contributed by largest 10 clearing members in aggregate | | 22.06% |

TIERED PARTICIPATION ARRANGEMENTS

| 19.1 | Tiered participation arrangements, measures of concentration of client clearing Quarterly - As at quarter end | | |
|----------|--|---------|----------------------------|
| 19.1.1 | Number of clients (if known) | | 280.109 See note 19.1.1 |
| 19.1.2 | Number of direct members that clear for clients | | 71 |
| 19.1.3.1 | Percent of client transactions (by total gross notional for derivatives or total cleared value of securities transactions or similar) attributable to the top 5 clearing members (if the CCP has 10 or more clearing members). | Peak | 83.23% |
| 19.1.3.2 | | Average | 86.47% |
| 19.1.4.1 | Percent of client transactions (by total gross notional for derivatives or total cleared value of securities transactions or similar) attributable to the top 10 clearing members (if the CCP has 25 or more clearing members). | Peak | 92.16% |
| 19.1.4.2 | | Average | 93.40% |

FMI LINKS

| 20.1 | FMI links - value of trades Quarterly | | |
|--------|--|--|-----------------------|
| 20.1.1 | Value of trades cleared through each link – as a share of total trade values/total notional values cleared | | <i>Not applicable</i> |

| 20.2 | FMI links - initial margin or equivalent financial resources provided Quarterly - As at quarter end | | |
|--------|---|--|-----------------------|
| 20.2.1 | Initial margin or equivalent financial resources provided to each linked CCP by the CCP to cover the potential | | <i>Not applicable</i> |

| 20.3 | FMI links - initial margin or equivalent financial resources collected Quarterly - As at quarter end | | |
|--------|--|--|-----------------------|
| 20.3.1 | Initial margin or equivalent financial resources collected from each linked CCP to cover potential future | | <i>Not applicable</i> |

| 20.4 | FMI links - results of back-testing coverage Quarterly | | |
|----------|---|--|-----------------------|
| 20.4.1.1 | Number of times over the past twelve months that coverage provided by margin and equivalent financial | | <i>Not applicable</i> |
| 20.4.1.2 | Back-testing results frequency - state if measured intraday/continuously/once a day | | <i>Not applicable</i> |
| 20.4.1.3 | If 20.4.1.2 is 'once a day' then the time of day measure is taken, otherwise blank | | <i>Not applicable</i> |
| 20.4.2 | Number of observations (i.e. number of accounts multiplied by number of days covered in the back test); | | <i>Not applicable</i> |
| 20.4.3 | Achieved coverage level | | <i>Not applicable</i> |

| 20.5 | FMI links - additional pre-funded financial resources provided to each linked CCP Quarterly - As at quarter end | | |
|----------|--|--|-----------------------|
| 20.5.1.1 | Additional pre-funded financial resources (if any) beyond initial margin and equivalent financial resources | | <i>Not applicable</i> |
| 20.5.1.2 | Whether part of, additional to, or separate from the standard default fund (please specify) | | <i>Not applicable</i> |

| | | |
|----------|---|----------------|
| 20.6 | FMI links - additional pre-funded financial resources collected from each linked CCP Quarterly - As at quarter end | |
| 20.6.1.1 | Additional pre-funded financial resources (if any) beyond initial margin and equivalent financial resources | Not applicable |
| 20.6.1.2 | Whether part of, additional to, or separate from the standard default fund (please specify) | Not applicable |
| 20.7 | FMI links - cross margining Quarterly / Quarterly - As at quarter end | |
| 20.7.1 | Value of trades subject to cross margining, by clearing service, as a percentage of total trade values/total | Not applicable |
| 20.7.2 | Reduction in total initial margin held by the CCP as a result of cross margining, as a percentage of total initial | Not applicable |

DISCLOSURE OF RULES, KEY PROCEDURES, AND MARKET DATA

| | | |
|--------|---|----------------------|
| 23.1 | Disclosure of rules, key procedures, and market data - average daily volumes Quarterly - Average per business day over the quarter | |
| 23.1.1 | Average daily volumes of new trades by asset class, instrument, CCY, split by OTC or ETD | Link |
| 23.1.2 | Average notional value of new trades cleared by asset class, CCY, split by OTC or ETD | Link |

| | | |
|--------|---|----------------------|
| 23.2 | Disclosure of rules, key procedures, and market data - Non-yet-settled Quarterly - At end of quarter | |
| 23.2.1 | Gross notional outstanding / total settlement value of novated but not-yet settled securities transactions by | Link |

| | | |
|--------|---|----------------------|
| 23.3 | Disclosure of rules, key procedures, and market data - execution facility Quarterly | |
| 23.3.1 | Average daily volumes submitted by execution facility or matching / confirmation venue | Link |
| 23.3.2 | Average notional contract values submitted by execution facility or matching / confirmation venue | Link |

| Principle | Qualitative Notes Statement |
|-----------|--|
| 4 | 4.1.6 - The figure reported herein consists in the sum of (i) the contributions of brokerage houses as minimum nonoperating collateral (pre-funded and nonmutualized access requirement) and (ii) B3's own resources earmarked to support the activities of its clearinghouses, in addition to its contribution to default fund. Item (ii) represents 57% of the total reported under 4.1.6. For further details about the sequence of use of resources, please refer to the BM&FBOVESPA Clearinghouse Risk Management Manual (http://www.b3.com.br/en_us/regulation/regulatory-framework/post-trade/). The amount of the contribution required of brokerage houses as minimum nonoperating collateral is established in the BM&FBOVESPA Access Manual (http://www.b3.com.br/en_us/regulation/regulatory-framework/access/). |
| 4 | 4.1.9 - Total to be replenished by default event (total amount of required contributions minus the largest contribution). Replenished resources can only be used in subsequent defaults. During any 20-day period, a clearing member's total replenishment obligation is limited to 3 times such clearing member's required contribution, regardless of the number of default events that may have occurred. Please refer to the BM&FBOVESPA Clearinghouse Rules – articles 110 thru 113. |
| 4 | 4.2.1 - The figures reported here refer to Brazilian regulation (BCBS 282 methodology). As of December 30, 2019: KCCP under US regulation is BRL 4.290.616 and KCCP under European regulation is BRL 1.198.307 for BM&FBOVESPA Clearinghouse. |
| 4 | 4.3.5 - The figure reported herein includes mutualized, nonmutualized and B3's own resources. Please refer to note 4.1.6. With regard to B3's own resources, it is worth mentioning that according to the B3's Financial Investment Policy, such resources must comply with allocation limits relating to: (i) the type of asset (100% in Brazilian government bonds, Brazilian government bond repos, and investment funds with same-day redemption that hold in portfolio only such bonds and repos, and have as managers, administrators and custodians only institutions authorised by the policy (basically institutions with high credit ratings)); (ii) the type of return (at least 85% floating rate); and (iii) liquidity (at least 90% with immediate liquidity, i.e. same-day redemption). |
| 4 | 4.4.3 - As of July 17 2019, BM&FBOVESPA Clearinghouse improved its credit stress test, by changing the confidence level from 99.97% to 99.984%. The figures reported here in were calculated by considering 99,97% as confidence level for the period before July 17 2019 and thereafter by considering the confidence level of 99,984% until the end of the reference period. |
| 5 | 5.1.1 - Collateral limits: The limits defined by B3 to restrict the use of assets in the constitution of collateral are: (i) Limits for bank letters of credit, bank certificates of deposit, real estate letters of credit and agribusiness letters of credit; (ii) Limits for the deposit of assets as third-party collateral; (iii) Acceptance limits for shares of stocks, ETF shares and units; (iv) Utilization limits for illiquid collateral; and (v) Utilization limits for assets deposited abroad. For the relevant criteria, please refer to section 6.3 of the BM&FBOVESPA Clearinghouse Risk Management Manual. |
| 5 | 5.2.1 - Pre-funded participant contributions to the default resources are the contributions to the settlement fund (default fund) and minimum nonoperating collateral. Only FILCB shares are eligible to the mentioned collateral purposes. Collateral made up of FILCB shares are valued at their opening price on T-1, except for the valuation of FILCB shares on the day of deposit, in which case the T+0 opening price applies. FILCB is an investment fund managed by B3 Bank, which exclusive purpose is to provide liquidity to the clearinghouse in the case of one or more participant default. FILCB invests in post-fixed Brazilian federal government securities indexed to the SELIC rate. For further information on FILCB's investment policy, please refer to FILCB's Bylaws: http://www.b3.com.br/data/files/BA/A5/72/EF/8697061099BE5706790D8AA8/By-Laws-FILCB.pdf . |

| | |
|---|---|
| 5 | 5.3.1 - Haircuts are given by the same scenarios (for risk factors) used in the valuation of positions for margin calculation (CORE) purposes. Therefore, collateral valuation is inherent in margin calculation, being evaluated jointly with positions. Considering that margin is calculated by individual client, the joint assessment of positions and collateral means that the same asset may be valued at different prices for different clients (for instance, if customers A and B have posted asset X as collateral, CORE may assign one value for X when calculating customer A's margin and another value for X when calculating customer B's margin). Hence, haircut tests are embedded in the CORE backtesting. |
| 5 | 5.3.2 - The assumed holding/liquidation period for the assets accepted as collateral varies from 1 to 10 days, depending on the volume to be liquidated and on the daily liquidity of the asset, considering an orderly liquidation process. |
| 5 | 5.3.3 - As explained in note 5.3.1, haircut tests are embedded in margin backtesting. Margin backtesting is performed daily at individual client level – the closeout of each client's portfolio is simulated based on the actual prices in the closeout period (the previous 10 days), and the financial outcome, if negative, is compared with the client's collateral. The haircuts are also tested in risk factor testing (the haircuts applicable to an asset are determined by the scenarios for the risk factors of this asset). The margin methodology consists of a stress test that assesses positions and collateral jointly, and the asset posted as collateral may be valued at different prices, depending on the portfolio to which it belongs. The scenarios for the risk factors are of three types – historical, quantitative and prospective – and are limited by the envelope scenarios. The CCP compares on a daily basis the actual variation of each risk factor with the corresponding current envelope scenario. |
| 5 | 5.3.4 - Collateral haircut must be considered within CORE methodology. CORE calculates the risk of collateral and positions jointly, which means that the same scenarios (for variations in risk factor prices) are used to define collateral value and to evaluate positions held in the same portfolio. The value of collateral will be determined not only by the collateral itself but also by the other positions that make up an investor's portfolio. Therefore a backtesting of the collateral haircuts alone may not be a meaningful measure for the evaluation of the risk model robustness. Results for a backtesting of the risk model can be found in 6.5. |
| 6 | 6.1.1 - a) B3 adopts an individual client segregation model, meaning that positions are registered in individually segregated accounts and risk is calculated at individual client level. A clearing member's proprietary portfolio (house) is deemed as an individual customer's portfolio, since it corresponds to a CM acting as a customer, and therefore the individual margin requirement applies. 6.1.1 - b) B3 requires collateralization by the client in case of (a) derivatives market and securities lending market and (b) house positions. For the cash equity market it allows two collateralization modes: (1) collateralization by the client or (2) collateralization by the brokerage house, at the discretion of the client and the brokerage house. In all cases, the margin methodology calculates risk at the client level, where in mode (2) an aggregation of the N largest client risks applies (for further details on margin methodology please refer to the BM&FBOVESPA Clearinghouse Risk Management Manual). In case (2), collateral (posted by brokerage houses) are registered in accounts segregated by brokerage house and in the other cases collateral are registered in accounts segregated by client. The figure reported in 6.1.1 includes initial margin required at all collateralization modes. |
| 6 | 6.2 - Collateral haircut must be considered within CORE methodology. CORE assesses collateral and positions jointly, which means that the same scenarios (for variations in primitive risk factors) are used in the definition of collateral amounts and in the evaluation of positions. The value of collateral will be determined not only by the collateral itself but also by the other positions that make up an investor's portfolio, which means that collateral may be valued at higher prices than mark-to-market prices. The possible occurrence of such an event must not be understood as |
| 6 | 6.2.5 - The figures include Brazilian sovereign government bonds and also shares of the investment fund named "FIC Garantia," which is managed by B3 through the B3 Bank. The acquired "FIC Garantia" shares are automatically pledged in favor of the clearinghouse as collateral. The "FIC Garantia"'s resources are invested in Brazilian sovereign government bonds, either directly or via financial instruments backed by such bonds. |
| 6 | 6.2.14 - The figures include bank letters of credit, fixed-income securities issued by commercial banks and also cash collateral that is received as cash but held as an investment (same day liquidity, for the most part within the hour). No haircuts apply to bank letters of credit, fixed-income securities, or cash collateral. |
| 6 | 6.3.1 - B3 discloses on a daily basis, on its website, the maximum theoretical margin on individual contracts / instruments. Such maximum theoretical margin represents the value of margin that would be required of a portfolio made up of a unit of the relevant instrument and no collateral. |
| 6 | 6.4.1 - CORE - Closeout Risk Evaluation (proprietary model): CORE methodology consists in a portfolio (positions and collateral) stress test model where market, liquidity and cash flow risks are modeled so as to provide a measure for collateral deficit as the worst financial outcome of the portfolio closeout process, if negative. The stress test is based on a set of 10,000 scenarios for the price variations of risk factors, among prospective, historical and quantitative scenarios. Positions and collateral are jointly valued across the scenarios. For further information, please refer to the BM&FBOVESPA Clearinghouse Risk Management Manual, Chapter 7 - Risk Calculation and to B3's website: http://www.b3.com.br/en_us/products-and-services/clearing-and-settlement/clearing/risk-management/modelo-de-risco/core/ . |
| 6 | 6.4.2 - On August 28th, 2017 B3 completed the project to integrate into BM&FBOVESPA Clearinghouse the markets previously cleared and settled through the CBLC (the equities clearinghouse operated by B3). A relevant part of the integration project was to prepare CORE to deal with the specificities of these markets. |
| 6 | 6.4.5 - The confidence level targeted for commodities' derivatives is 99.5%. All other products have a targeted level of 99.96%. Margin calculation of portfolios exposed to commodities related risk factors is expected to have a confidence level of at least 99.5%. Margin calculation of portfolios without exposure to commodities related risk factors is expected to follow a confidence level of at least 99.96%. |
| 6 | 6.4.7 - Model parameters are calibrated with historical data available from 2004 up to the latest parameter revision date. Since different model parameters may be revised at different points in time, look back period for model calibration may vary depending on the parameter in question. The look back period is at least from 2004 to 2018. |
| 6 | 6.4.12 - Due to the integration of the equity markets to the BM&FBOVESPA Clearinghouse, on August 28th, 2017 became effective the holding periods for the equity contracts / products. |

| | |
|----|---|
| 6 | 6.4.14 - Every week the CCP Risk Internal Technical Committee reviews all key margin methodology parameters (such as stress scenarios and risk horizons), reexamining the more stable or less important parameters at least once a month. Additionally the parameters are monitored by the risk management team on a daily basis and can be reviewed/changed whenever the committee deems necessary. |
| 6 | 6.5.1.1 - Back testing applies at the individual client account. Therefore, the figure reported herein refers to the total number of times over the past 12 months that margin coverage held against any individual client account fell below the actual marked-to-market exposure of that individual client account (violation) - based on daily back-testing results. The information reported here does not refer to violations at clearing member's level. |
| 6 | 6.6.1 - BM&FBOVESPA Clearinghouse serves the following markets: financial, commodities and equities derivatives markets (ETD), cash equity market, securities lending market and OTC derivatives market. However figures reported herein refer only to variation margin paid to the CCP due to positions on futures contracts. |
| 7 | 7.1.6 - Out of the amount reported in 7.1.6, BRL 20 billion represents committed line with the B3 Bank, through which the CCP accesses the Central Bank of Brazil's intraday liquidity mechanism; although a limit of BRL 20 billion is set up in the agreement, liquidity may be provided up to the total government bonds the CCP provides as collateral. The other committed lines are established with major banks, and they are also backed by Brazilian federal government bonds. |
| 7 | 7.1.7 - The use of unsecured committed lines provided to B3 is not limited to CCP service. |
| 7 | 7.1.8 - The figure reported in 7.1.8 does not include collateral reported in 6.2. |
| 7 | 7.1.10 - Under the legal framework in force in Brazil, only financial institutions such as banks may have full access to the services provided by the Central Bank of Brazil. This provision excludes clearinghouses. |
| 15 | 15.2 - For further information, please refer to the B3 financial statements (http://ir.bmfbovespa.com.br , Financial Information, Results Release). |
| 15 | 15.2.6 - Considering B3's financial statements, collateral received in cash is recorded as a liability under "Collateral for transactions" and other non-cash collateral is recorded under memorandum accounts. |
| 15 | 15.3.1 - The percentage of total income that comes from fees related to provision of post-trading services is 42.93%, where post-trading services include clearing and depository services. B3 does not disclose income from clearing services and depository services separately. |
| 15 | 15.3.2 - The figure reported herein refers to reinvestment of cash collateral (in local currency, BRL) posted by participants. |
| 16 | 16.1.1 - The figure reported herein consists in the sum of cash received from participants, regardless of the form in which it is held, deposited or invested, received as (i) initial margin, (ii) minimum nonoperating collateral (pre-funded and nonmutualized collateral required as access requirement), and (iii) collateral posted for operating balance purposes (nonmutualized). Item (i) represents 99.97% of the total reported under 16.1.1. |
| 16 | 16.2.10 - Investment in Brazilian government bonds or in financial instruments backed by such bonds, with floating-rate returns, immediate liquidity, and minimal exposure to private credit risk. |
| 16 | 16.2.17 - B3 maintains cash collateral invested in fixed-income investment funds, which are mostly made up of floating-rate Brazilian government bonds and floating-rate repo transactions (backed by Brazilian government bonds) for 1 day. Hence, given the portfolio's characteristics, the returns on the portfolio are always positive, thus preserving the amount received as third-party collateral, being VaR calculations not applicable. |
| 17 | 17.1.1 - The BM&FBOVESPA Clearinghouse is considered as systemically important in Brazil. Therefore, it must achieve an operational availability index greater than or equal to 99.8%, as required under article 10 of Circular #3057 issued by the Central Bank of Brazil. |
| 17 | 17.3.1 - B3's methodology for measuring unavailability considers all system's interfaces with external clients, which means that the unavailability duration for one system is counted for each interface with external clients that became unavailable. Supposing a system with three interfaces with external clients (e.g. message, website and screen) and an one-hour-failure affecting the three interfaces, that would be counted as three hours of unavailability. This approach implies multiple counting but it seems more accurate, once the external clients accessing B3's systems use different interfaces. It is worth mentioning that the total duration of failures reported herein may seem elevated, however it is irrelevant if compared to the total amount of over 151,651 hours of availability over the last 12 months. |
| 18 | 18.1.1 - BM&FBOVESPA Clearinghouse does not distinguish membership categories between clearing members. Figures reported in 18.1.1.3 refer to the total number of clearing members, except the Central Bank of Brazil (BCB). |
| 18 | 18.1.2.1 - The Central Bank of Brazil (BCB) is a clearing member of BM&FBOVESPA Clearinghouse which settles only its own positions / transactions and it does not contribute to the default fund. The figure reported in 18.1.1.3 represents total number of clearing members that contribute to the default fund. |
| 18 | 18.1.2.4 - "Other participants" basically include brokerage firms and broker-dealer firms. |
| 18 | 18.1.3.1 - The figure includes clearing members whose parent companies are Brazilian or foreign institutions. |
| 19 | 19.1.1 - The figure reported herein was adjusted for the 4th quarter of 2018 publication onwards in order to include clients from cash equities market, which were not considered on previous publications. By client BM&FBOVESPA Clearinghouse considers both direct and indirect participants. |