## Weekly Program Trading Report(Total of All Trading Participant)

18-May-22

Tokyo Stock Exchange, Inc.

1.Program Trading (May 9 - May 13)

(thousand shares, million yen)

|                  | Program |           |                      |                      |         |           |
|------------------|---------|-----------|----------------------|----------------------|---------|-----------|
|                  |         |           | Transactions related | d to Index arbitrage | Others  |           |
|                  | sales   | purchases | sales                | purchases            | sales   | purchases |
| Number of Shares | 348,969 | 281,803   | 23,964               | 47,156               | 325,005 | 234,647   |
| Value            | 849,546 | 702,812   | 71,470               | 129,939              | 778,076 | 572,873   |

## 2. Cash Position Related to Index Arbitrage (May 13)

(thousand shares, million yen)

|                  | Sell Positions            |         |         | Buy Positions             |         |         |  |
|------------------|---------------------------|---------|---------|---------------------------|---------|---------|--|
|                  | Nearest Contract<br>Month | Others  | Total   | Nearest Contract<br>Month | Others  | Total   |  |
| Number of Shares | 50,822                    | 29,070  | 79,892  | 217,723                   | 48,374  | 266,097 |  |
| Change           | 1,333                     | -1,322  | 11      | 6,702                     | 3,964   | 10,666  |  |
| Value            | 168,489                   | 116,281 | 284,770 | 522,017                   | 192,142 | 714,159 |  |
| Change           | 18,526                    | -7,935  | 10,591  | 4,165                     | 12,003  | 16,168  |  |

Remarks: 1. Program trading is defined orders of 25 issues or more at one time.

- 2. Change means comparison to last weekend's position. indicates minus figures
- 3. The value of cash positions related to index arbitrage is evaluated by the weekend stock price.
- 4. Program trading excludes transactions through ToSTNeT.
- 5.Cash position related to index arbitrage reflects the change caused by transactions through ToSTNeT.
- 6. The "Nerest Contract Month" of "Cash position related to index arbitrage" includes the figures up to Jun contract of 2022

## Active Arbitrageurs Top 15 Trading Participant May 9 – May 13

(thousand shares,%)

| Name                                | Sales      |       | Purchases  | ;     | Total  | 10 31101C3,707 |
|-------------------------------------|------------|-------|------------|-------|--------|----------------|
| Tuanic                              | Percentage |       | Percentage |       |        | Percentage     |
| 1                                   |            |       |            |       |        |                |
| Mizuho                              | 14,496     |       | 25,980     |       | 40,476 |                |
| Nomura                              | 4,750      | 19.8  | 4,385      | 9.3   | 9,135  | 12.8           |
| Jefferies                           | 3,513      | 14.7  | 4,715      | 10.0  | 8,228  | 11.6           |
| Societe Generale                    | 0          | 0.0   | 7,635      | 16.2  | 7,635  | 10.7           |
| Mitsubishi UFJ Morgan Stanley       | 1,205      | 5.0   | 4,441      | 9.4   | 5,646  | 7.9            |
| -                                   | -          | -     | I          | -     | 1      | -              |
| -                                   | -          | -     |            | -     | -      | -              |
| -                                   | _          | -     | -          | -     | _      | -              |
| -                                   | _          | -     | _          | -     | _      | -              |
| -                                   | _          | -     | ı          | _     | -      | -              |
| _                                   | _          | -     | ı          | -     | 1      | -              |
| -                                   | _          | -     | _          | _     | _      | -              |
| -                                   | -          | -     | ı          | -     | 1      | -              |
| -                                   | _          | -     | _          | -     | _      | -              |
| _                                   |            | _     | -          | -     | Ι      | -              |
| Total of Top 15 Trading Participant | 23,964     | 100.0 | 47,156     | 100.0 | 71,120 | 100.0          |
| Total of ALL Trading Participant    | 23,964     | 100.0 | 47,156     | 100.0 | 71,120 | 100.0          |

Remark: Based on the total of sales and purchases