



Tokyo Market Information

—Reference Data—

Data Feed Service Specification
(CSV File Format)

Ver.4.0

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JPX Market Innovation & Research, Inc.

~ Table of Contents ~

	Page
1. Overview	1
2. Connection	1
3. Provision Method	2
3.1 Information to be provided	2
3.2 Outline of files provided and Timing of File Updates	3
3.3 Data Format	4
3.4 Scope of Data to be Provided	6
3.4.1 Master File	6
3.4.2 O/H/L/C Price (Cash Equities)	19
3.4.3 Outstanding Margin Trading by Issue	23
3.4.4 O/H/L/C Price (Derivatives)	27
3.4.5 Derivatives Master Maintenance File	32
3.4.6 Number of Shares of Listed Companies	36
3.4.7 Results of Conversion of Convertible Bonds	39
3.4.8 ToSTNeT Trading Information - Super-Block Execution of Single-Issue Trading	43
3.4.9 O/H/L/C Price (Carbon Credit)	44
4. Operation in Case of System Failure	47
5. Contact	47
Appendix 1 Notes Regarding Numerical Data	48
Appendix_A list of Product Trading Identification, Identification Code, Type Code	

1. Overview

This specification describes necessary information in utilizing JPX Reference Data Service provided by JPX Market Innovation & Research, Inc (JPXI).

2. Connection

Following methods are available for the connection to JPXI's Data Feed System. Please refer to "Specification for Connecting to Data Feed Server" for details. Regardless of the connection method, the connection will be established by action from user system side.

- 1) File transfer through the communication procedure established by the Federation of Bankers' Associations of Japan (hereinafter referred to as "FBAJ")
 - "FBAJ standard communication protocol/TCP/IP Protocol"
- 2) File transfer through FTP
 - FTP using the Internet
 - FTP using arrownet
- 3) File transfer through SFTP
 - SFTP using the Internet

For more information about each connection method, refer to the following documents.
"JPX Market Innovation & Research Specification for connecting to Data Feed Server"

3. Provision Method

3. 1. Information to be provided

The following information will be provided to subscribers.

File Number	Information Provided	Outline
1	Master File	Provides information on domestic companies listed on all domestic stock exchanges. It does not provide information on foreign products (ETFs, DRs, REITs, JDRs, etc.) or securities listed on foreign exchanges.
2	O/H/L/C Price (Cash Equities)	Provides opening, high, low and closing prices for the data provision date, for cash equities (stocks and bonds) traded on TSE.
3	Outstanding Margin Trading by Issue	Provides information about outstanding margin trading as of the application date, for cash equities (stocks and bonds) traded on TSE.
4	O/H/L/C Price (Derivatives)	Provides opening, high, low and closing prices for the data provision date, for the futures and options traded on the Osaka Exchange and futures traded on Tokyo Commodity Exchange. * Information related to Flexible series is not provided by this service.
5	Derivatives Master Maintenance File	Derivatives master maintenance information (various information on series valid on the same day or the next business day) related to futures and options on OSE and TOCOM are provided. *This file includes Japanese characters into some items
6	Number of Shares of Listed Companies	Provides number of shares of domestic companies listed on TSE, FSE (single listing) and SSE (single listing).
7	Results of Conversion of Convertible Bonds	Provides results of conversion of Convertible Bonds and classified stocks issued by companies listed on TSE. *The header includes Japanese character.
8	ToSTNeT Trading Information - Super-Block Execution of Single-Issue Trading	Provides information on trades with a trading value of JPY 5 billion or higher in single-issue trading (ToSTNeT-1) (excluding trading for which both sale and purchase are entrusted by customers). *This file includes Japanese characters into the certain item
9	O/H/L/C Price (Carbon Credit)	Provides information on opening, high, low and closing prices, base prices, and trading volume for each trading category for the data provision date, for carbon credit market on Tokyo Stock Exchange. *Carbon Credit Information is provided in Japanese only.

3. 2. Outline of files provided and Timing of File Updates

The connection method and the timing of file update for each file are as following table. We will inform users by e-mail when the provision interval changes related to continuous national holidays in May and New Year's holidays.

File Number	Information Provided	Internet FTP	arrownet FTP	Internet SFTP	Update frequency	Update Timing
1	Master File	○	○	○	Daily	19:30
2	O/H/L/C Price (Cash Equities)	○	○	○	Daily	16:30
3	Outstanding Margin Trading by Issue	○	○	○	Daily (*1) Weekly (1st business day of every week)(*1)	16:00
4	O/H/L/C Price (Derivatives)	○	○	○	Daily	16:30
5	Derivatives Master Maintenance File	○	○	○	Daily	16:00 18:20 23:15
6	Number of Shares of Listed Companies	○	○	○	20th day of every month (in case 20th is holiday, the previous business day)	15:30
7	Results of Conversion of Convertible Bonds	○	○	○	1st business day and 20th day of every month (in case 20th is holiday, the previous business day)	17:00
8	ToSTNeT Trading Information - Super-Block Execution of Single-Issue Trading	○	○	○	Daily	16:00
9	O/H/L/C Price (Carbon Credit)	○	○	○	Daily	16:00

(*1) It depends on the terms of the contract with the users.

3. 3. Data Format

Data	the attention points of Data Format
Master File O/H/L/C Price (Cash Equities) Outstanding Margin Trading by Issue	• "Item Name" is set in the first line of the file. • Each item is to be separated by insertion of a "," (a single-byte comma). • The Len column displays the maximum length of the data to be recorded. Maximum length does not include single bite double quotation described below. • In all files, each data items are surrounded by single bite double quotation (") . Field names are also surrounded by (") . This is applied to data where Null is set therein, and in that case it will set as "". However, if CSV file is used by Microsoft®* Excel, (") will not be displayed. *Microsoft® is a registered trademark of Microsoft® Corporation in the United States and/or other countries.
O/H/L/C Price (Derivatives)	• Character Code is Shift-JIS Code. • Record size is 657 bytes. • Length of Item is fixed. There is no character between items. • The data type is a character string.
Derivatives Master Maintenance	• Character Code is Shift-JIS Code. • Record Format is Variable length (CSV) Format. • Length of Item is variable. Comma-separated (No enclosed characters) is set to divide Item. As a general rule, variable items are not padded with zeros or spaces. • In Data Item, Data character is represented by C (Character) or N (Number).
Number of Shares of Listed Companies	• Character Code is Shift-JIS Code. • Record size is 83 bytes (including a single-byte of new line code). • Length of Item is fixed. • Each item is to be separated by insertion of a "," (a single-byte comma). • New line code is inserted for each record. The line code is LF(0x0a). • The data type is a character string.

Results of Conversion of Convertible Bonds	- Character Code is Shift-JIS Code. - Each item is to be separated by insertion of a “,” (a single-byte comma). - Column “Len” displays the maximum length of the data to be recorded. Maximum length does not include a single-byte double quotation. - In all files, each data item is surrounded by a single-byte double quotation(“). This is applied to data where Null is set therein, and in that case it sets as ”” . However, if CSV file is used by Microsoft® Excel, (”) is not displayed. *Microsoft® is a registered trademark of Microsoft® Corporation in the United States and/or other countries.
ToSTNeT Trading Information - Super-Block Execution of Single-Issue Trading	- Character Code is Shift-JIS Code. - Record Format is Variable length (CSV) Format. ”Item Name” is set in the first line of the file. - Each item is to be separated by insertion of a “,” (a single-byte comma). - The Len column displays the maximum length of the data to be recorded. Maximum length does not include single bite double quotation described below. - Below items are surrounded by single bite double quotation (”) . - Price_yen - Trading_Volume_shares - Trading_Value_yen However, if CSV file is used by Microsoft® Excel, (”) will not be displayed. *Microsoft® is a registered trademark of Microsoft® Corporation in the United States and/or other countries.
O/H/L/C Price (Carbon Credit)	- Character Code is UFT-8. - Record Format is Variable length (CSV) Format. - Each item is to be separated by insertion of a “,” (a single-byte comma). - Date is set in the second line of the file. - Header is set on line 4, and the data on lines after line 5. However, if CSV file is used by Microsoft® Excel, (”) will not be displayed. *Microsoft® is a registered trademark of Microsoft® Corporation in the United States and/or other countries. - The Len column displays the maximum length of the data to be recorded. Maximum length does not include single bite double quotation described below.

3. 4. Scope of Data to be Provided

3. 4. 1. Master File

3. 4. 1. 1. Scope of Data to be Provided

This service provides information on domestic listed companies listed on all domestic stock exchanges. It does not provide information on foreign products (ETFs, DRs, REITs, JDRs, etc.) or securities listed on foreign exchanges.

The information contained in the files is the master data for each security as of the business day following the information provision date (the “effective date” of the files). Please note:

- For newly listed securities, data recording and dissemination begins the business day before the listing date. For delisted securities, data recording and dissemination ends the business day before the delisting date.
- Changes to data made on the information provision date itself may not be reflected in the file for that day. In such cases, the changes will be reflected in the files provided on the next business day.

3. 4. 1. 2. Data Format

No.	Item Name	Data Contents	Len	Remarks
1	Effective Date	Data effective date YYYYMMDD format	8	
2	Local Code	Unique securities code assigned by the Securities Identification Code Committee For stocks, this is a 9-digit code comprising 4 single-byte spaces, the 4-digit securities code assigned by the Securities Identification Code Committee, and 1-digit reserve code which is set to “0” for common stock.	9	
3	ISIN	ISIN (International Securities Identification Number) code for the relevant security, arranged by the Securities Identification Code Committee. This comprises the country code (2 digits), Issuance body code (6 digits), the securities type code (3 digits), and the check digit (1 digit)	12	
4	Name	Set to “Null”.	240	
5	Reserved Field	Set to “Null”.	240	
6	Name (English)	English company name of the relevant security	240	
7	Sector (Code)	Sector code	4	See “3.4.1.3.Sector Codes and

No.	Item Name	Data Contents	Len	Remarks
				Industry Names” for more details.
8	Trading Unit	Trading unit of the relevant security	13	
9	Board Lot Size	Indicates the board lot size of the relevant security; set to “Null” for securities that do not adopt the board lot size system.	8	
10	Registrar	Name of registrar	140	
11	Reserved Field	Set to “Null”.	400	
12	Reserved Field	Set to “Null”.	400	
13	Reserved Field	Set to “Null”.	400	
14	Fiscal Term	Last date of the fiscal term in MMDD format, shown as ordinary term, irregular term 1 or irregular term 2 Ex : Set to “0299” (MMDD) for fiscal terms ending at the end of February.	4	
15	Interim Term	Last date of the interim term in MMDD format, shown as ordinary term, irregular term 1, or irregular term 2 Ex : Set to “0299” (MMDD) for interim terms ending at the end of February; set to “0000” when there is no interim settlement or when there is an irregular settlement.	4	
16	Irregular Term Start	First date of the irregular term in YYYYMMDD format	8	When a company plans to have an irregular term, the information may be set before the date when the changes to the fiscal term come into effect.
17	Irregular Term End	Last date of the irregular term in YYYYMMDD format	8	
18	Dividend Record Date 1	Dividend record date set in the Articles of Incorporation for ordinary fiscal terms For securities with an ordinary term, the separate data items “fiscal term” and “interim term” are set. MMDD format Set to “0299” (MMDD) for record dates at the end of February; set to “Null” for REITs, ETFs, etc. (securities with securities type codes 0A, B1 or B2).	4	
19	Dividend Record Date 2	Dividend record date set in the Articles of Incorporation for ordinary fiscal terms For securities with an ordinary term, the separate data items “fiscal term” and “interim term” are set. .	4	

No.	Item Name		Data Contents	Len	Remarks
			MMDD format Set to "0299" (MMDD) for record dates at the end of February; set to "Null" for REITs, ETFs, etc. (securities with securities type codes 0A, B1 or B2).		
20	Dividend Date 3	Record	Dividend record date set in the Articles of Incorporation for ordinary fiscal terms For securities with an ordinary term, the separate data items "fiscal term" and "interim term" are set. . MMDD format Set to "0299" (MMDD) for record dates at the end of February; set to "Null" for REITs, ETFs, etc. (securities with securities type codes 0A, B1 or B2).	4	
21	Dividend Date 4	Record	Dividend record date set in the Articles of Incorporation for ordinary fiscal terms For securities with an ordinary term, the separate data items "fiscal term" and "interim term" are set. . MMDD format Set to "0299" (MMDD) for record dates at the end of February; set to "Null" for REITs, ETFs, etc. (securities with securities type codes 0A, B1 or B2).	4	
22	Dividend Date 5	Record	Dividend record date set in the Articles of Incorporation for ordinary fiscal terms For securities with an ordinary term, the separate data items "fiscal term" and "interim term" are set. . MMDD format Set to "0299" (MMDD) for record dates at the end of February; set to "Null" for REITs, ETFs, etc. (securities with securities type codes 0A, B1 or B2).	4	
23	Dividend Date 6	Record	Dividend record date set in the Articles of Incorporation for ordinary fiscal terms For securities with an ordinary term, the separate data items "fiscal term" and "interim term" are set. . MMDD format Set to "0299" (MMDD) for record dates at the end of February; set to "Null" for REITs, ETFs, etc. (securities with securities type codes 0A, B1 or B2).	4	
24	Dividend Date 1 (Irregular term 1)	Record	Dividend record date for irregular term 1 For securities set as irregular term 1, the separate data items "fiscal term" and "interim term" are set. . YYYYMMDD format Set to "Null" for REITs, ETFs, etc. (securities with securities type codes 0A, B1 or B2).	8	
25	Dividend Date 2 (Irregular term 1)	Record	Dividend record date for irregular term 1 For securities set as irregular term 1, the separate data items "fiscal term" and "interim term" are set. . YYYYMMDD format Set to "Null" for REITs, ETFs, etc. (securities with securities type codes 0A, B1 or B2).	8	

No.	Item Name	Data Contents	Len	Remarks
26	Dividend Record Date 3 (Irregular term 1)	Dividend record date for irregular term 1 For securities set as irregular term 1, the separate data items “fiscal term” and “interim term” are set. . YYYYMMDD format Set to “Null” for REITs, ETFs, etc. (securities with securities type codes 0A, B1 or B2).	8	
27	Dividend Record Date 4 (Irregular term 1)	Dividend record date for irregular term 1 For securities set as irregular term 1, the separate data items “fiscal term” and “interim term” are set. . YYYYMMDD format Set to “Null” for REITs, ETFs, etc. (securities with securities type codes 0A, B1 or B2).	8	
28	Dividend Record Date 5 (Irregular term 1)	Dividend record date for irregular term 1 For securities set as irregular term 1, the separate data items “fiscal term” and “interim term” are set. . YYYYMMDD format Set to “Null” for REITs, ETFs, etc. (securities with securities type codes 0A, B1 or B2).	8	
29	Dividend Record Date 6 (Irregular term 1)	Dividend record date for irregular term 1 For securities set as irregular term 1, the separate data items “fiscal term” and “interim term” are set. . YYYYMMDD format Set to “Null” for REITs, ETFs, etc. (securities with securities type codes 0A, B1 or B2).	8	
30	Dividend Record Date 1 (Irregular term 2)	Dividend record date for irregular term 2 For securities set as irregular term 2, the separate data items “fiscal term” and “interim term” are set. . YYYYMMDD format Set to “Null” for REITs, ETFs, etc. (securities with securities type codes 0A, B1 or B2).	8	
31	Dividend Record Date 2 (Irregular term 2)	Dividend record date for irregular term 2 For securities set as irregular term 2, the separate data items “fiscal term” and “interim term” are set. . YYYYMMDD format Set to “Null” for REITs, ETFs, etc. (securities with securities type codes 0A, B1 or B2).	8	
32	Dividend Record Date 3 (Irregular term 2)	Dividend record date for irregular term 2 For securities set as irregular term 2, the separate data items “fiscal term” and “interim term” are set. . YYYYMMDD format Set to “Null” for REITs, ETFs, etc. (securities with securities type codes 0A, B1 or B2).	8	
33	Dividend Record Date 4 (Irregular	Dividend record date for irregular term 2 For securities set as irregular term 2, the separate data items “fiscal term” and “interim term”	8	

No.	Item Name	Data Contents	Len	Remarks
	term 2)	are set. . YYYYMMDD format Set to "Null" for REITs, ETFs, etc. (securities with securities type codes 0A, B1 or B2).		
34	TSE New Listing Identifier	Set to "1" when the concerned securities will be listed the following business day and "0" in other cases. Set to "Null" for securities not traded on the Tokyo Stock Exchange (TSE). Set "0" when the instrument changing its segment within TSE Market (prime, standard and growth markets) except PRO Market. Set "1" when the instrument changing its segment from PRO Market to the above 3 markets.	1	
35	Reserved Field	Set to "Null".	8	
36	TSE Market Section(Code)	Market section (code) for the relevant security Set to "Null" for securities not traded on the TSE.	1	See "3.4.1.4. Market Section Code" for more details.
37	TSE Margin Transaction (Code)	Set to "1" for margin issues, "2" for loan issues, and "0" for others. Set to "0" or single-byte space for securities not traded on the TSE.	1	See "3.4.1.5. Regarding the Display Contents for Each Stock Exchange Margin Transaction in the Master File" for details on setting "0" or single-byte space.
38	TSE Margin Transaction (Text)	Set to "Margin" for "1", "Loan" for "2", single-byte space for "0" and "Null" for single-byte spaces. Set to a single-byte space or "Null" for securities not traded on the TSE.	140	
39	OSE New Listing Identifier	Set to "1" when the concerned securities will be listed the following business day and "0" in other cases. Set to "Null" for securities not traded on the Osaka Securities Exchange (OSE).	1	
40	Reserved Field	Set to "Null".	8	
41	OSE Market Section(Code)	Market section (code) for the relevant security Set to "Null" for securities not traded on the Osaka Securities Exchange (OSE).	1	See "3.4.1.4. Market Section Code" for more details.
42	OSE Margin Transaction (Code)	Set to "1" for margin issues, "2" for loan issues, and "0" for others. Set to "0" or single-byte space for securities not traded on the OSE.	1	See "3.4.1.5. Regarding the

No.	Item Name	Data Contents	Len	Remarks
				Display Contents for Each Stock Exchange Margin Transaction in the Master File for details on setting "0" or single-byte space.
43	OSE Margin Transaction (Text)	Set to "Margin" for "1", "Loan" for "2", single-byte space for "0" and "Null" for single-byte spaces. Set to a single-byte space or "Null" for securities not traded on the OSE.	140	
44	NSE New Listing Identifier	Set to "1" when the concerned securities will be listed the following business day and "0" in other cases. Set to "Null" for securities not traded on the Nagoya Stock Exchange (NSE).	1	
45	Reserved Field	Set to "Null".	8	
46	NSE Market Section(Code)	Market section (code) for the relevant security Set to "Null" for securities not traded on the Nagoya Stock Exchange (NSE).	1	See "3.4.1.4. Market Section Code" for more details.
47	NSE Margin Transaction (Code)	Set to "1" for margin issues, "2" for loan issues, and "0" for others. Set to "0" or a single-byte space for securities not traded on the NSE.	1	See "3.4.1.5. Regarding the Display Contents for Each Stock Exchange Margin Transaction in the Master File" for details on setting "0" or single-byte space.
48	NSE Margin Transaction (Text)	Set to "Margin" for "1", "Loan" for "2", single-byte space for "0" and "Null" for single-byte spaces. Set to a single-byte space or "Null" for securities not traded on the NSE.	140	
49	FSE New Listing Identifier	Set to "1" when the concerned securities will be listed the following business day and "0" in other cases. Set to "Null" for securities not traded on the Fukuoka Stock Exchange (FSE).	1	
50	Reserved Field	Set to "Null".	8	
51	FSE Market Section(Code)	Market section (code) for the relevant security Set to "Null" for securities not traded on the Fukuoka Stock Exchange (FSE).	1	See "3.4.1.4. Market Section

No.	Item Name	Data Contents	Len	Remarks
				Code” for more details.
52	FSE Margin Transaction (Code)	Set to “1” for margin issues, “2” for loan issues, and “0” for others. Set to “0” or single-byte space for securities not traded on the FSE.	1	See “3.4.1.5. Regarding the Display Contents for Each Stock Exchange Margin Transaction in the Master File” for details on setting “0” or single-byte space.
53	FSE Margin Transaction (Text)	Set to “Margin” for “1”, “Loan” for “2”, single-byte space for “0” and “Null” for single-byte spaces. Set to a single-byte space or “Null” for securities not traded on the FSE	140	
54	SSE New Listing identifier	Set to “1” when the concerned securities will be listed the following business day and “0” in other cases. Set to “Null” for securities not traded on the Sapporo Securities Exchange (SSE).	1	
55	Reserved Field	Set to “Null”.	8	
56	SSE Market Section(Code)	Market section (code) for the relevant security Set to “Null” for securities not traded on the Sapporo Securities Exchange (SSE).	1	See “3.4.1.4. Market Section Code” for more details.
57	SSE Margin Transaction (Code)	Set to “1” for margin issues, “2” for loan issues, and “0” for others. Set to “0” or single-byte space for securities not traded on the SSE.	1	See “3.4.1.5. Regarding the Display Contents for Each Stock Exchange Margin Transaction in the Master File” for details on setting “0” or single-byte space.
58	SSE Margin Transaction (Text)	Set to “Margin” for “1”, “Loan” for “2”, single-byte space for “0” and “Null” for single-byte spaces. Set to a single-byte space or “Null” for securities not traded on the SSE.	140	
59	JQ New Listing	Set to “1” when the concerned securities will be listed the following business day and “0” in	1	

No.	Item Name	Data Contents	Len	Remarks
	Identifier	other cases. Set to "Null" for securities not traded on the JQ market.		
60	Reserved Field	Set to "Null".	8	
61	JQ Market Section(Code)	Market section (code) for the relevant security Set to "Null" for securities not traded on the JQ market.	1	See "3.4.1.4. Market Section Code" for more details.
62	JQ Margin Transaction (Code)	Set to "1" for margin issues, "2" for loan issues, and "0" for others. Set to "0" or a single-byte space for securities not traded on the JQ market	1	See "3.4.1.5. Regarding the Display Contents for Each Stock Exchange Margin Transaction in the Master File" for details on setting "0" or single-byte space.
63	JQ Margin Transaction (Text)	Set to "Margin" for "1", "Loan" for "2", single-byte space for "0" and "Null" for single-byte spaces. Set to a single-byte space or "Null" for securities not traded on the JQ market.	140	
64	JSDA New Listing Identifier	Set to "1" when the concerned securities will be listed the following business day and "0" in other cases. Set to "Null" for securities not traded on the JSDA market.	1	
65	Reserved Field	Set to "Null".	8	
66	JSDA Market Section(Code)	Market section (code) for the relevant security Set to "Null" for securities not traded on the JSDA market.	1	See "3.4.1.4. Market Section Code" for more details.
67	JSDA Margin Transaction (Code)	Set to "1" for margin issues, "2" for loan issues, and "0" for others. Set to "0" or a single-byte space for securities not traded on the JSDA market	1	See "3.4.1.5. Regarding the Display Contents for Each Stock Exchange Margin Transaction in the Master File" for details on setting "0" or single-byte

No.	Item Name	Data Contents	Len	Remarks
				space.
68	JSDA Margin Transaction (Text)	Set to "Margin" for "1", "Loan" for "2", single-byte space for "0" and "Null" for single-byte spaces. Set to a single-byte space or "Null" for securities not traded on the JSDA market.	140	
69	Ex Dividend	Set to "1" if the relevant security goes ex-dividend on the "effective date", and "Null" otherwise.	1	Set to "1" only if the date is the first date ex-dividend.
70	Ex New Share (Stock Split)	Set to "1" if the relevant security goes ex-rights on the "effective date", and "Null" otherwise.	1	Set to "1" only if the date is the first date ex-rights.
71	Ex New Share (Rights Issue)	Set to "1" if the relevant security goes ex-rights on the "effective date", and "Null" otherwise.	1	Set to "1" only if the date is the first date ex-rights.
72	Ex Date (Extraordinary General Shareholders Meeting)	Set to "1" if the relevant security goes ex-rights on the "effective date", and "Null" otherwise.	1	Set to "1" only if the date is the first date ex-rights.
73	Other Ex Date (Other Event)	Set to "1" if the relevant security goes ex-rights for other events on the "effective date" and "Null" otherwise.	1	Set to "1" only if the date is the first date ex-rights.
74	Type of Other Event (Code)	Code for other event type. Set to "1" for allotment of stock, "2" for allotment of subscription rights, "3" for offering of subscription rights to shareholders, "4" for non-cash dividend, "5" (Issuer's Request for General Shareholders Notification), "9" for other events	1	Set to the lowest number code when events overlap (for example, set to "1" when events coded "1" and "2" overlap)
75	Type of Other Event (Text)	"Allotment of Stock" (1), "Allotment of Subscription Rights" (2), "Offering of Subscription Rights to Shareholders" (3), "Non Cash Dividend" (4), "Issuer's Request for General Shareholders Notification" (5), "Other Events" (9)	140	
76	Reserved Field	Set to "Null".	1	
77	Reserved Field	Set to "Null".	1	
78	Reserved Field	Set to "Null".	1	
79	Reserved Field	Set to "Null".	140	
80	Reserved Field	Set to "Null".	140	

No.	Item Name	Data Contents	Len	Remarks
81	Reserved Field	Set to "Null".	27	

NOTES

1. With respect to "New Listing Identifier" (No. 34, 39, 44, 49, 54, 59 and 64), please note if the new listing date falls on non-business day, the identifier will NOT be set on the file provided on the previous business day.
2. When the market section for the relevant security is Japan Securities Dealers Association (JSDA) "Green Sheet, etc" issue, item 9 is generally set to "Null".
3. When the same issuer has listed preferred shares or several classes of shares, item 9 is generally set to "Null" the second and subsequent issues.
4. "OSE" in *No. 39,41-43 indicates Osaka Securities Exchange, before the merger with TSE effective in July 2013 and "JQ" in No. 59, 61-63 indicates JASDAQ, before the merger with OSE effective in October 2010.

3. 4. 1. 3. Sector Codes and Industry Names

0050	Fishery, Agriculture & Forestry	3750	Precision Instruments
1050	Mining	3800	Other Products
2050	Construction	4050	Electric Power & Gas
3050	Foods	5050	Land Transportation
3100	Textiles & Apparel	5100	Marine Transportation
3150	Pulp & Paper	5150	Air Transportation
3200	Chemicals	5200	Warehousing & Harbor Transportation Service
3250	Pharmaceuticals	5250	Information & Communications
3300	Oil & Coal Products	6050	Wholesale Trade
3350	Rubber Products	6100	Retail Trade
3400	Glass & Ceramics Products	7050	Banks
3450	Iron and Steel	7100	Securities & Commodities Futures
3500	Nonferrous Metals	7150	Insurance
3550	Metal Products	7200	Other Financing Business
3600	Machinery	8050	Real Estate
3650	Electric Appliances	9050	Services
3700	Transportation Equipment	9999	Others

3. 4. 1. 4. Market Section Code

No.	Market	Data Item	Code	Remarks	No.	Market	Data Item	Code	Remarks
1	TSE	Unlisted	NULL		28		Others	5	
2		First Section	1		29		Fukuoka PRO Market	8	
3		Second Section	2		30		Delisted	9	
4		Mothers	3		31	SSE	Unlisted	NULL	
5		Others	5		32		Main Board Market	1	
6		JASDAQ Standard	6		33		Ambitious	3	
7		JASDAQ Growth	7		34		Sapporo PRO Frontier Market	8	
8		TOKYO PRO Market	8		35		Others	5	
9		Delisted	9		36		Delisted	9	
10		Prime	A		37	JASDAQ	Unlisted	NULL	See * below
11		Standard	B		38		Main Board Market	1	See * below
12		Growth	C		39		NEO	2	See * below
13	OSE	Unlisted	NULL	See * below	40		Delisted	9	See * below
14		First Section	1	See * below	41	JSDA	Unlisted	NULL	
15		Second Section	2	See * below	42		Green Sheet, etc.	3	
16		JASDAQ	3	See * below	43		Delisted	9	
17		Others	5	See * below	*No. 13-18 indicates the Osaka Securities Exchange data before the merger with TSE effective in July 2013. No. 37-40 indicates the JASDAQ data before the merger with OSE effective in October 2010.				
18		Delisted	9	See * below					
19	NSE	Unlisted	NULL						
20		Premier	1						
21		Main	2						
22		Next	3						
23		Others	5						
24		Delisted	9						
25	FSE	Unlisted	NULL						
26		Main Board Market	1						
27		Q-Board	3						

3. 4. 1. 5. Regarding the Display Contents for Each Stock Exchange Margin Transaction in the Master File

If any changes were made to “market section” or “margin transaction” information within the file “Change in Securities Master Information” (available as part of TMI Corporate Action Information) for any exchange, “margin transaction” is set to “0” for all non-listed exchanges (i.e. market section is “Null”) after the effective date of the record in question.

In other cases (i.e. no changes to “market section” or “margin transaction” information), “margin transaction” is set to a single-byte space for non listing exchanges (i.e. when the market section is “Null”).(Please refer to the example below.)

No changes to “market section” or “margin transaction” information for any exchange

Local Code	TSE		OSE		NSE	
	Market Section	Margin Transaction	Market Section	Margin Transaction	Market Section	Margin Transaction
1301	1	1	NULL	△	NULL	△



As changes made to TSE margin transaction information, Margin Transaction for other markets where the market section is “Null” has been changed from the space to “0” as well as the change in Margin Transaction of TSE.

Local Code	TSE		OSE		NSE	
	Market Section	Margin Transaction	Market Section	Margin Transaction	Market Section	Margin Transaction
1301	1	2	NULL	0	NULL	0

3. 4. 2. O/H/L/C Price (Cash Equities)

3. 4. 2. 1. Data Format

No.	Item Name	Data Contents	Len	Remarks
1	Date	Data provision date YYYYMMDD format	8	
2	Exchange Code	Code identifying the exchange where the concerned security is traded “01” for the Tokyo Stock Exchange	2	
3	Product Class Code	Code identifying the type of stock or bond “13” for foreign stocks, foreign investment securities, foreign investment trust beneficiary certificate, etc. “21” for Prime (domestic stocks) “22” for Standard (domestic stocks) “23” for Growth (domestic stocks) “24” for TOKYO PRO Market (domestic stocks) “25” for investment beneficiary certificate “26” for investment trust beneficiary certificate “51” for CB (Convertible Bonds) “61” for WB (Warrant Bonds) “62” for SW (Shareholders Warrants) and EB(Exchangeable Bonds)	2	
4	Local Code	Unique securities code assigned by the Securities Identification Code Committee For stocks, this is a 9-digit code comprising 4 single-byte spaces, a 4-digit securities code assigned by the Securities Identification Code Committee, and a 1-digit reserve code which is set at “0” for common stock other than new stock. For bonds, this is a 9-digit code comprising a reserve digit stipulated by the Securities Identification Code Committee, a four-digit issue number code, and a four-digit securities code.	9	
5	ISIN	ISIN (International Securities Identification Number) code for the concerned security, arranged by the Securities Identification Code Committee. This comprises a country code (2 digits), an issuance body code (6 digits), a securities type code (3 digits), and a check digit (1 digit). Set at “Null” for foreign stocks, etc.	12	

No.	Item Name	Data Contents	Len	Remarks
6	Open (Morning Session)	Opening price of the morning session of the concerned security. For the units, see “3.4.2.2. Unit Details” below. The first digit shows the sign.	20	Initial price set at 0.0000 See Appendix 1 for more details.
7	High (Morning Session)	High of the morning session of the concerned security. For the units, see “3.4.2.2. Unit Details” below. The first digit shows the sign.	20	Initial price set at 0.0000 See Appendix 1 for more details.
8	Low (Morning Session)	Low of the morning session of the concerned security. For the units, see “3.4.2.2. Unit Details” below. The first digit shows the sign.	20	Initial price set at 0.0000 See Appendix 1 for more details.
9	Close (Morning Session)	Closing price of the morning session of the concerned security. For the units, see “3.4.2.2. Unit Details” below. The first digit shows the sign.	20	Initial price set at 0.0000 See Appendix 1 for more details.
10	Open (Afternoon Session)	Opening price of the afternoon session of the concerned security. For the units, see “3.4.2.2. Unit Details” below. The first digit shows the sign.	20	Initial price set at 0.0000 See Appendix 1 for more details.
11	High (Afternoon Session)	High of the afternoon session of the concerned security. For the units, see “3.4.2.2. Unit Details” below. The first digit shows the sign.	20	Initial price set at 0.0000 See Appendix 1 for more details.
12	Low (Afternoon Session)	Low of the afternoon session of the concerned security. For the units, see “3.4.2.2. Unit Details” below. The first digit shows the sign.	20	Initial price set at 0.0000 See Appendix 1 for more details.
13	Close (Afternoon Session)	Closing price of the afternoon session of the concerned security. For the units, see “3.4.2.2. Unit Details” below. The first digit shows the sign.	20	Initial price set at 0.0000 See Appendix 1 for more details.
14	Open	Opening price of the concerned security. For the units, see “3.4.2.2. Unit Details” below. The first digit shows the sign.	20	Initial price set at 0.0000 See Appendix 1 for more details.

No.	Item Name	Data Contents	Len	Remarks
15	High	Daily high of the concerned security. For the units, see “3.4.2.2. Unit Details” below. The first digit shows the sign.	20	Initial price set at 0.0000 See Appendix 1 for more details.
16	Low	Daily low of the concerned security. For the units, see “3.4.2.2. Unit Details” below. The first digit shows the sign.	20	Initial price set at 0.0000 See Appendix 1 for more details.
17	Close	Closing price of the concerned security. For the units, see “3.4.2.2. Unit Details” below. The first digit shows the sign.	20	Initial price set at 0.0000 See Appendix 1 for more details.
18	Special Quotation Code	Set at “1” for sell, “2” for buy and single-byte space for others.	1	
19	Special Quotation	Special quotation for the concerned security. For the units, see “3.4.2.2. Unit Details” below. The first digit shows the sign.	20	Initial price set at 0.0000 See Appendix 1 for more details.
20	Settlement price /Contract price for margin calculation	Normally set at “0.0000”	20	
21	Trading Volume	Trading volume of the concerned security. For the units, see “3.4.2.2. Unit Details” below.	21	See Appendix 1 for more details.
22	Trading Value	Trading value of the concerned security. For the units, see “3.4.2.2. Unit Details” below.	21	See Appendix 1 for more details.
23	VWAP	VWAP of the concerned security. For the units, see “3.4.2.2. Unit Details” below.	20	Initial price set at 0.0000 See Appendix 1 for more details.

3. 4. 2. 2. Unit Details

No.	Type of Security/Bond	Product Class Code	Price (Unit)	Trading Volume (Unit)	Settlement Price (Unit)	Trading Value (Unit)	VWAP (Unit)
1	Foreign stocks, etc.	13	0.0001 yen	1 share or 1 lot	—	1 yen	0.0001 yen
2	Prime	21	0.0001 yen	1 share or 1 lot	—	1 yen	0.0001 yen
3	Standard	22	0.0001 yen	1 share or 1 lot	—	1 yen	0.0001 yen
4	Growth	23	0.0001 yen	1 share or 1 lot	—	1 yen	0.0001 yen
5	TOKYO PRO Market	24	0.0001 yen	1 share or 1 lot	—	1 yen	0.0001 yen
6	Investment beneficiary certificate	25	0.0001 yen	1 lot	—	1 yen	0.0001 yen
7	Investment trust beneficiary certificate	26	0.0001 yen	1 lot	—	1 yen	0.0001 yen
8	CB (Convertible Bonds)	51	0.0001 yen	1 yen	—	1 yen	0.0001 yen
9	WB (Warrant Bonds)	61	0.0001 yen	1 yen	—	—	—
10	SW (Shareholders Warrants)	62	0.0001 yen	1 security	—	—	—
11	EB(Exchangeable Bonds)	62	0.0001 yen	1 yen	—	—	—

3. 4. 3. Outstanding Margin Trading by Issue

3. 4. 3. 1. Scope of Data to be Provided

The information in the data is as of the subscription date, which is the business day prior to the provision date.
For example, the data provided on October 5, 2026(Mon) is information as of the subscription date, October 2, 2026(Fri).

3. 4. 3. 2. Data Format

The data format is the same for both daily and weekly files.

No	Item Name	Data Contents	Len	Remarks
1	Record Date	Set the subscription date (YYYYMMDD).	8	
2	Local Code	Set the unique securities code (including 1-digit reserve code) assigned by Securities Identification Code Committee.	5	
3	Company Name (English)	Set the company name (English).	120	
4	ISIN	ISIN (International Securities Identification Number) code for the relevant security, arranged by the Securities Identification Code Committee. This consists the country code (2 digits), Issuance body code (6 digits), the securities type code (3 digits), and the check digit (1 digit)	12	
5	Market Segment Code	0105: TOKYO PRO Market 0111: Prime 0112: Standard 0113: Growth 0109: Investment Trusts, etc.	4	
6	Margin Code	1: Standardized Margin Trading Issues other than Loan Margin Trading Issues 2: Loan Margin Trading Issues 3: Others (non-Loan/Standardized Margin Trading Issues)	1	
7	Short Margin Outstanding (volume)	Set short margin outstanding (volume) of both negotiable and standardized margin trading.	20	
8	Long Margin Outstanding (volume)	Set long margin outstanding (volume) of both negotiable and standardized margin trading.	20	

No	Item Name	Data Contents	Len	Remarks
9	Short Negotiable Margin Outstanding (volume)	Set short margin outstanding (volume) of negotiable margin trading.	20	
10	Short Standardized Margin Outstanding (volume)	Set short margin outstanding (volume) of standardized margin trading.	20	
11	Long Negotiable Margin Outstanding (volume)	Set long margin outstanding (volume) of negotiable margin trading.	20	
12	Long Standardized Margin Outstanding (volume)	Set long margin outstanding (volume) of standardized margin trading.	20	
13	Short Margin Outstanding (value)	Set short margin outstanding (value) of both negotiable and standardized margin trading.	20	
14	Long Margin Outstanding (value)	Set long margin outstanding (value) of both negotiable and standardized margin trading.	20	
15	Short Negotiable Margin Outstanding (value)	Set short margin outstanding (value) of negotiable margin trading.	20	
16	Short Standardized Margin Outstanding (value)	Set short margin outstanding (value) of standardized margin trading.	20	
17	Long Negotiable Margin Outstanding (value)	Set long margin outstanding (value) of negotiable margin trading.	20	
18	Long Standardized Margin Outstanding (value)	Set long margin outstanding (value) of standardized margin trading.	20	

3. 4. 3. 3. Method for Reproducing Total Records in the Previous Specification

Total records that existed before September 28, 2026 can be reproduced by aggregating the values with using "Market Segment Code" and "Margin Code" as shown in the following table.

Classification	Data Contents	Market Segment Code	Margin Code
1	Loan margin trading issues total	All selected	2
2	Loan margin trading issues Prime Market total	0111	2
3	Loan margin trading issues Standard Market total	0112	2
4	Loan margin trading issues Growth Market total	0113	2
5	Loan margin trading issues investment trusts, etc. total	0109	2
6	Standardized margin trading issues other than loan margin trading issues total	All selected	1
7	Standardized margin trading issues other than loan margin trading issues Prime Market total	0111	1
8	Standardized margin trading issues other than loan margin trading issues Standard Market total	0112	1
9	Standardized margin trading issues other than loan margin trading issues Growth Market total	0113	1
A	Standardized margin trading issues other than loan margin trading issues investment trusts, etc. total	0109	1
B	Others (non-loan/standardized margin trading issues) total	All selected	3
C	Others (non-loan/standardized margin trading issues) Prime Market total	0111	3
D	Others (non-loan/standardized margin trading issues) Standard Market total	0112	3
E	Others (non-loan/standardized margin trading issues) Growth Market total	0113	3
F	Others (non-loan/standardized margin trading issues) investment trusts, etc. total	0109	3
G	Grand total	All selected	All selected
H	Prime Market total	0111	All selected
I	Standard Market total	0112	All selected
J	Growth Market total	0113	All selected
K	Investment trusts, etc. total	0109	All selected

Classification	Data Contents	Market Segment Code	Margin Code
M	Loan margin trading issues TOKYO PRO Market total	0105	2
O	Standardized margin trading issues other than loan margin trading issues TOKYO PRO Market total	0105	1
Q	Others (non-loan/standardized margin trading issues) TOKYO PRO Market total	0105	3
S	TOKYO PRO Market total	0105	All selected

3. 4. 4 O/H/L/C Price (Derivatives)

3. 4. 4. 1. Scope of Data to be Provided

Provides opening, high, low and closing prices for the data provision date, for the futures and options traded on the Osaka Exchange and futures traded on Tokyo Commodity Exchange.

Information related to Flexible series is not provided by this service.

3. 4. 4. 2. Data Format

No	Item Name	Data Contents	Len	Remarks
1	Record Section	Set to "2"	1	
2	File Identification	Set to "001"	3	
3	Product Trading Identification	(*) Please refer to "Appendix A of Product Trading Identification, Identification Code, Type Code".	2	
4	Reserve	Set blanks	4	
5	Reserve	Set blanks	2	
6	Post Division	(*) Please refer to "Appendix A of Product Trading Identification, Identification Code, Type Code".	3	
7	Local Code	Set the 9-digit issue code left-justified.	12	
8	Sign Flag	Set "-" for negative numbers, "+" for positive numbers, and blanks for zeros.	1	
9	Base Price	Set the base priced on the same business day (right justified, leading zeros, integer part 12 digits, decimal part 6 digits).	18	
10	Sign Flag	Set "-" for negative numbers, "+" for positive numbers, and blanks for zeros.	1	
11	Open (Morning Session)	Open price in the morning session Set zero if there are no transactions (right justified, leading zeros, integer part 12 digits, decimal part 6 digits).	18	*1
12	Date for the open (Morning Session)	The date when the open price in the morning session was established Set zero if there are no transactions.	8	*1
13	Time for the open (Morning Session)	The time when the open price in the morning session was established Set zero if there are no transactions.	4	*1
14	Sign Flag	Set "-" for negative numbers, "+" for positive numbers, and blanks for zeros.	1	
15	High (Morning Session)	High price in the morning session Set zero if there are no transactions (right justified, leading zeros, integer part 12 digits, decimal part 6 digits).	18	*1
16	Date for the high (Morning Session)	The date when the high price in the morning session was established Set zero if there are no transactions.	8	*1
17	Time for the high (Morning Session)	The time when the high price in the morning session was established Set zero if there are no transactions.	4	*1

No	Item Name	Data Contents	Len	Remarks
18	Sign Flag	Set "-" for negative numbers, "+" for positive numbers, and blanks for zeros.	1	
19	Low (Morning Session)	Low price in the morning session Set zero if there are no transactions (right justified, leading zeros, integer part 12 digits, decimal part 6 digits).	18	*1
20	Date for the low (Morning Session)	The date when the low price in the morning session was established Set zero if there are no transactions.	8	*1
21	Time for the low (Morning Session)	The time when the low price in the morning session was established Set zero if there are no transactions.	4	*1
22	Sign Flag	Set "-" for negative numbers, "+" for positive numbers, and blanks for zeros.	1	
23	Close (Morning Session)	Close price in the morning session Set zero if there are no transactions (right justified, leading zeros, integer part 12 digits, decimal part 6 digits).	18	*1
24	Date for the close (Morning Session)	The date when the close price in the morning session was established Set zero if there are no transactions.	8	*1
25	Time for the close (Morning Session)	The time when the close price in the morning session was established Set zero if there are no transactions.	4	*1
26	Trading volume (Morning Session)	The trading volume of the derivative instrument of the morning session Set zero if there are no transactions.	18	*1
27	Sign Flag	Set "-" for negative numbers, "+" for positive numbers, and blanks for zeros.	1	
28	Open (Day Session)	Open price in the day session or the afternoon session Set zero if there are no transactions (right justified, leading zeros, integer part 12 digits, decimal part 6 digits).	18	*2
29	Date for the open (Day Session or Afternoon Session)	The date when the open price in the day session or the afternoon session was established Set zero if there are no transactions.	8	*2
30	Time for the open (Day Session or Afternoon Session)	The time when the open price in the day session or the afternoon session was established Set zero if there are no transactions.	4	*2
31	Sign Flag	Set "-" for negative numbers, "+" for positive numbers, and blanks for zeros.	1	
32	High (Day Session or Afternoon Session)	High price in the day session or the afternoon session Set zero if there are no transactions (right justified, leading zeros, integer part 12 digits, decimal part 6 digits).	18	*2
33	Date for the high (Day Session or Afternoon Session)	The date when the high price in the day session or the afternoon session was established Set zero if there are no transactions.	8	*2
34	Time for the high (Day Session or Afternoon Session)	The time when the high price in the day session or the afternoon session was established	4	*2

No	Item Name	Data Contents	Len	Remarks
	Afternoon Session)	Set zero if there are no transactions.		
35	Sign Flag	Set "-" for negative numbers, "+" for positive numbers, and blanks for zeros.	1	
36	Low (Day Session or Afternoon Session)	Low price in the day session or the afternoon session Set zero if there are no transactions (right justified, leading zeros, integer part 12 digits, decimal part 6 digits).	18	*2
37	Date for the low (Day Session or Afternoon Session)	The date when the low price in the day session or the afternoon session was established Set zero if there are no transactions.	8	*2
38	Time for the low (Day Session or Afternoon Session)	The time when the low price in the day session or the afternoon session was established Set zero if there are no transactions.	4	*2
39	Sign Flag	Set "-" for negative numbers, "+" for positive numbers, and blanks for zeros.	1	
40	Close (Day Session or Afternoon Session)	Close price in the day session or the afternoon session Set zero if there are no transactions (right justified, leading zeros, integer part 12 digits, decimal part 6 digits).	18	*2
41	Date for the close (Day Session or Afternoon Session)	The date when the close price in the day session or the afternoon session was established. Set zero if there are no transactions.	8	*2
42	Time for the close (Day Session or Afternoon Session)	The time when the close price in the day session or the afternoon session was established Set zero if there are no transactions.	4	*2
43	Trading volume (Day Session or Afternoon Session)	The trading volume of the derivative instrument of the day session or the afternoon on the spot Set zero if there are no transactions.	18	*2
44	Sign Flag	Set "-" for negative numbers, "+" for positive numbers, and blanks for zeros.	1	
45	Special quote price	If the close is closed with a special quote, set the special quote price. If the close is closed except for a special quote, set zero (right justified, leading zeros, integer part 12 digits, decimal part 6 digits).	18	
46	Special quote sign	If special quote price is set, set the buy / sell sign. Selling special quote : "1" Buying special quote : "2" Set a blank if no special quote is set	1	
47	Sign Flag	Set "-" for negative numbers, "+" for positive numbers, and blanks for zeros.	1	
48	Open (Night Session)	Open price in the night session Set zero if there are no transactions (right justified, leading zeros, integer part 12 digits, decimal part 6 digits).	18	
49	Date for the open	The date when the open price in the night session was established	8	

No	Item Name	Data Contents	Len	Remarks
	(Night Session)	Set zero if there are no transactions.		
50	Time for the open (Night Session)	The time when the open price in the night session was established Set zero if there are no transactions.	4	
51	Sign Flag	Set "-" for negative numbers, "+" for positive numbers, and blanks for zeros.	1	
52	High (Night Session)	High price in the night session Set zero if there are no transactions (right justified, leading zeros, integer part 12 digits, decimal part 6 digits).	18	
53	Date for the high (Night Session)	The date when the high price in the night session was established Set zero if there are no transactions.	8	
54	Time for the high (Night Session)	The time when the high price in the night session was established Set zero if there are no transactions.	4	
55	Sign Flag	Set "-" for negative numbers, "+" for positive numbers, and blanks for zeros.	1	
56	Low (Night Session)	Low price in the night session Set zero if there are no transactions (right justified, leading zeros, integer part 12 digits, decimal part 6 digits).	18	
57	Date for the low (Night Session)	The date when the low price in the night session was established Set zero if there are no transactions.	8	
58	Time for the low (Night Session)	The time when the low price in the night session was established. Set zero if there are no transactions.	4	
59	Sign Flag	Set "-" for negative numbers, "+" for positive numbers, and blanks for zeros.	1	
60	Close (Night Session)	Close price in the night session Set zero if there are no transactions (right justified, leading zeros, integer part 12 digits, decimal part 6 digits).	18	
61	Date for the close (Night Session)	The date when the close in price of the night session was established Set zero if there are no transactions.	8	
62	Time for the close (Night Session)	The time when the close in price of the night session was established Set zero if there are no transactions.	4	
63	Trading volume (Night Session)	Set the trading volume of the derivative instrument of the night on the spot. Set zero if there are no transactions.	18	
64	Date	Set the trading day	8	
65	Reserve	Set blanks	12	
66	Reserve	Set blanks	3	
67	Reserve	Set a blank	1	
68	Reserve	Set a blank	1	
69	Reserve	Set a blank	1	
70	Reserve	Set a blank	1	
71	Reserve	Set a blank	1	

No	Item Name	Data Contents	Len	Remarks
72	Reserve	Set zero	18	
73	Reserve	Set a blank	1	
74	Reserve	Set zero	18	
75	Upper group code for the product group	(*) Please refer to "Appendix A of Product Trading Identification, Identification Code, Type Code"	3	
76	Product group code	(*) Please refer to "Appendix A of Product Trading Identification, Identification Code, Type Code"	6	
77	Product code	(*) Please refer to "Appendix A of Product Trading Identification, Identification Code, Type Code"	10	
78	Product type code	(*) Please refer to "Appendix A of Product Trading Identification, Identification Code, Type Code"	3	
79	Contract Month	Set contract month For the Nikkei 225 mini option, set the reference date when calculating the SQ date. (Regardless of whether the reference date is business day or not. For details, please refer to "Identification Code Specifications for Futures and Options Transactions" and "Identification Code Specifications for Security Options Transaction" of the Securities Identification Code Committee.) Set 20791227 for contract day trading commodity futures. For Electricity Futures (Fiscal Year), set year (YYYY) + month (04) + 00 (two digits).	8	
80	Reserve	Set a blank	1	
81	Commodity type	Set commodity type	3	
82	Striking price	Set striking price (Integer part 12 digits, Decimal part 6 digits) Set zero for non-option instruments.	18	
83	Reserve	Set blanks	48	

*1 For products that can be traded in the morning session and the afternoon session, set the morning session information. On the other hand, for products that can be traded in the day session, set zero.

*2 For products that can be traded in the day session, set the day session information. On the other hand, for products that can be traded in the morning session and the afternoon session, set the afternoon session information.

* Regarding suspension of RN Prime Index futures trading

- Opening price, High price, Low price, Close price: Includes zero yen.
- Base price: set dummy value

3. 4. 5 Derivatives Master Maintenance File

3. 4. 5. 1. Scope of Data to be Provided

Daily derivatives master maintenance information are provided.

- The period for each providing record is from the first trading day of the series to the next business day after the last trading day (for electricity, until the final settlement date).
- Maintenance information associated with corporate actions will be recorded from the 2nd provided file on the business day before the effective date for securities options, and from the 3rd provided file on the business day before the effective date for flexible options.

*For RN Prime Index Futures, the issue information regarding new contract months will be provided even after the trading of them is suspended.

3. 4. 5. 2. Data Format

No	Item Name	Data Contents	Len	Character	Remarks
1	Issue Code	Set an Issue Code.	9	C	
2	Reference Date	Set a Reference Date (YYYYMMDD) . 1st Time : Set a delivery date 2nd Time : Set the next business day after the delivery date (For Flexible Series, delivery date) 3rd Time : Set the next business day after the delivery date	8	C	
3	Number of Deliveries	Set Number of Deliveries. 1 : 1st Time 2 : 2nd Time 3 : 3rd Time	1	N	
4	Exchange Code	Set an Exchange Code. 01 : OSE 21 : TOCOM	2	C	
5	Identification Code by Securities Type	Set an Identification Code by Securities Type. Refer to the attached list "【Appendix】 A list of Product Trading Identification, Identification Code, Type Code".	2	C	
6	Upper group code for the product group	Set an Upper group code for the product group. Refer to the attached list "【Appendix】 A list of Product Trading Identification, Identification Code, Type Code".	3	C	

No	Item Name	Data Contents	Len	Character	Remarks
7	Product Trading Identification	Set a Product Trading Identification. Refer to the attached list "【Appendix】 A list of Product Trading Identification, Identification Code, Type Code".	2	C	
8	Product Type Code	Set a Product Type Code. Refer to the attached list "【Appendix】 A list of Product Trading Identification, Identification Code, Type Code".	3	C	
9	Product Group Code	Set a Product Group Code. Refer to the attached list "【Appendix】 A list of Product Trading Identification, Identification Code, Type Code".	6	C	
10	Product Code	Set a Product Code. Refer to the attached list "【Appendix】 A list of Product Trading Identification, Identification Code, Type Code".	10	C	
11	Underlying Code	Set the code of underlying securities, etc. - For Index Options : Set the following Index code(4digits). 0000 : TOPIX 8507 : JPX-Nikkei Index 400 C001 : Nikkei 225 005B : TOPIX Banks Index 0075 : REIT Index - For JGB Futures Options : Set an issue code of JGB futures, which is the original product(9digits). - For Securities Options : Set a securities code(5digits). - For Options on Commodity Futures : Set an issue code of commodity futures, which is the original product(9digits). - For Futures, nothing is set.	9	C	
12	Series Name	Set a Series Name.	240	C	
13	Series Short Name	Set a Series Short Name.	240	C	
14	Contract Month	Set a Contract Month (YYYYMM) . For Rolling-Spot Futures, set "207912". For Flexible series, Set the first 6 digits of Expiration Date.	6	C	

No	Item Name	Data Contents	Len	Character	Remarks
		For the Nikkei 225 mini options, set the year of the contract month (YYYY) of the series + the last 2 digits (4th to 5th bytes) of the contract month of the Issue Code. For Electricity Futures (Fiscal Year), set year (YYYY) + month (04).			
15	Contract Date	Set an Contract Date (YYYYMMDD) . For Rolling-Spot Futures, set "20791227". For Nikkei 225 mini options, set the reference date when calculating the SQ Date.(Regardless of whether that is business day or not. For details, please refer to "Identification Code Specifications for Futures and Options Transactions" and "Identification Code Specifications for Security Options Transaction" of the Securities Identification Code Committee.) For flexible series, the below date is set depending on the settlement method. Cash settlement by SQ : SQ Date Cash settlement by closing price or Physical delivery : Last trading day For series other than the above, set "00" to DD	8	C	
16	Put/Call	1 : Put 2 : Call For Futures, nothing is set.	1	C	
17	Exercise Type	Set an Exercise Type. 1 : American 2 : European For Futures, nothing is set.	1	C	
18	Exercise Price	Set an Exercise Price. Unit : JPY (For Index Options excluding Nikkei 225 Options and Nikkei 225 mini Options, Point) For Futures, nothing is set.	18	N	
19	Settlement Type	Set a Settlement Type. 1 : Physical delivery 2 : Cash settlement For Futures, nothing is set.	1	C	
20	At the Money Identification	0 : Other 1 : At the Money For Futures and Flexible Options, nothing is set.	1	C	
21	Main Contract Month Identification	0 : Other 1 : Main Contract Month For Flexible series, nothing is set.	1	C	

No	Item Name	Data Contents	Len	Character	Remarks
22	Newly Set and Additional Set	0 : Other 1 : Newly added issue	1	C	
23	First Trading Day	Set a First Trading Day (YYYYMMDD).	8	C	
24	Last Trading Day	Set a Last Trading Day (YYYYMMDD) For Rolling-Spot Futures, set "20791227".	8	C	
25	Contract Size	Set a Contract Size.	12	N	
26	Delivery Size	Set a Delivery Size. For Futures, nothing is set.	20	N	
27	Delivery Size Adjustment Flag	0 : Other than those series 1 : Series with different delivery size from trading units of underlying securities For Futures, nothing is set. For Options excluding Securities Options and Securities Flexible Options, nothing is set.	1	C	
28	Number of Delivery Size Adjustments	Set the number of adjustments of delivery size. For Futures, nothing is set. For Options excluding Securities Options and Securities Flexible Options, nothing is set.	4	N	
29	Currency Type	Set a Currency Type (JPY).	3	C	
30	Product Type	Refer to the attached list.	3	C	
31	SQ Date	Set a SQ Date (YYYYMMDD). Set a valid date only for series that have an SQ Date (including the final settlement date for Electricity) For series that have no SQ Date, set "99999999".	8	C	
32	First Exercise Date	Set a First Exercise Date (YYYYMMDD) for Options. For Futures, nothing is set.	8	C	
33	Last Exercise Date	Set a Last Exercise Date (YYYYMMDD) for Options. For Futures, nothing is set.	8	C	
34	Flexible Series Flag	0 : Other 1 : On-demand 2 : Flexible Series	1	C	
35	New Line Character	Control Code : LF	1		

3. 4. 6 Number of Shares of Listed Companies

3. 4. 6. 1. Scope of Data to be Provided

The number of shares as of the end of the previous month is provided based on reports from listed companies as of the provision date.

e.g. The information as of the end of Sept. 2021 is provided on October 20, 2021.

*

For subsequent correction information and related updates, please see the following URL on JPX website.

<https://www.jpx.co.jp/english/listing/co/01.html>

The following issues are included in this service

- Common Stocks (including the issue whose reserved code is not “0”)
- Investment Trusts (including REIT and ETF)
- Preferred Stocks

Common stocks are the companies listed on TSE, FSE (single listing) and SSE (single listing).

It does not include the issue which is not listed on TSE but on NSE.

e.g.

TSE	NSE	FSE	SSE	Availability of Provision
○	○	-	-	Available
○	-	○	-	Available
○	○	-	○	Available
-	○	-	-	Not Available
-	-	○	-	Available
-	-	-	○	Available
-	○	○	-	Not Available
-	-	○	○	Available

○ : Listing - : Not Listing

3. 4. 6. 2. Data Format

No.	Item Name	Data Contents	Len	Remarks
1	Year and Month	Set year and month (the previous month of the provision date). It is represented by a four-digit year and a two-digit month. When the month is a single digit, a leading zero is set. In case of May 2021, set “202105”.	6	
2	Issue Code	Set an Issue Code assigned by Securities Identification Code Committee (including one-digit reserved code).	5	
3	Exchange Code	1: TSE (Tokyo Stock Exchange) 6: FSE (Fukuoka Stock Exchange) 8: SSE (Sapporo Stock Exchange) When a TSE-listed issue is also listed on FSE or SSE, set “1”(TSE). In case of an issue listed on both of FSE and SSE (not on TSE), set “6” (FSE).	1	
4	Market Section Code	1: Prime 2: Standard 3: Growth 4: Investment Trusts 8: TOKYO PRO Market Space: FSE/SSE	1	
5	Number of Shares of Listed Companies (Issued Shares)	Fixed to five decimal places. Integer part is zero-suppressed. It is right aligned. e.g. 50000 shares: △△△△△△△△△50000.00000 △: Space	21	(*)
6	Number of Shares of Listed Companies (Listed Shares)	Fixed to five decimal places. Integer part is zero-suppressed. It is right aligned. e.g. 50000 shares: △△△△△△△△△50000.00000 △: Space	21	(*)
7	Number of Shares for Index Calculation	Fixed to five decimal places. Integer part is zero-suppressed. It is right aligned. e.g. 50000 shares: △△△△△△△△△50000.00000 △: Space In case of issues which are not constituents of any index (including composite indices), set “0.00000” In case of preferred stocks and issues other than TSE-listed issues, set “0.00000” * Set the number of shares used for index calculation before FFW.	21	(*)

(Reference) Values for “Number of Shares of Listed Companies (Issued Shares)/(Listed Shares)” and for “Number of Shares for Index Calculation”

Market Segment	Number of Shares of Listed Companies (Issued Shares)	Number of Shares of Listed Companies (Listed Shares)	Number of Shares for Index Calculation (*1)
Prime Standard Growth TOKYO PRO Market	The number of issued shares	The number of listed shares	The number of shares for index calculation (*2)
Investment Trusts (TSE)	The number of issued shares (*3)	The number of listed shares (*3)	The number of shares for index calculation (*2)
Preferred Stocks (TSE)	The number of issued shares	The number of listed shares	Always 0
FSE/SSE-listed issues	The number of issued shares	The number of listed shares	Always 0

(*1) Number of Shares for Index Calculation is used for the following indices.

- TOPIX
- Tokyo Stock Exchange REIT Index
- Tokyo Stock Exchange Prime Market Index
- Tokyo Stock Exchange Standard Market Index
- Tokyo Stock Exchange Growth Market Index
- Ex-TOPIX
- Tokyo Stock Exchange Growth Market Core Index
- Tokyo Stock Exchange Standard Market TOP20 Index
- Tokyo Stock Exchange Prime Market Composite Index

(*2) In case of issues which are not constituents of any index (including composite indices), set “0.00000”

(*3) Regardless of the value of No.1 (Year and Month), Number of Shares of Listed Companies (Listed Shares) about domestic ETFs is the value as of the end of December of the previous year.

3. 4. 7 Results of Conversion of Convertible Bonds

3. 4. 7. 1. Data Format

No.	Item Name	Data Contents	Len	Remarks
1	Conversion Type (Conversion Target Securities)	401: Conversion of Convertible Bonds 402: Exercise of Bonds with Share Warrant 403: Exercise of Share Warrant 404: Conversion of Preferred Stocks	3	
2	Change Date (Conversion Target Securities)	Date when the number of shares of the target/exercise securities changes. In case July 8, 2021, "20210708"	8	
3	Sequence Number	Set a sequence number when conversion/exercise target securities hold multiple securities (rights).	5	The sequence number may contain gaps.
4	Identification Code by Securities Type	03: Domestic stock (preferred stock) 05: Domestic stock (deferred stock) 07: Domestic stock (new share warrant securities) 09: Domestic stock (classified stock) 51: Domestically issued domestic convertible bond (yen-denominated CB) 52: Domestically issued domestic convertible bond (foreign currency-denominated CB) 53: Foreign issued domestic convertible bond (yen-denominated CB) 54: Foreign issued domestic convertible bond (foreign currency-denominated CB) 55: Domestically issued foreign convertible bond (yen-denominated CB) 56: Domestically issued foreign convertible bond (foreign currency-denominated CB) 61: Domestically issued domestic bond with subscription warrant (yen-denominated bond) 62: Domestically issued domestic bond with subscription warrant (foreign currency-denominated bond with share warrant) 63: Domestically issued domestic bond with subscription warrant (yen-denominated bond with share warrant) 64: Domestically issued domestic bond with subscription warrant (yen-denominated bond with share warrant) 65: Domestically issued domestic bond with subscription warrant (foreign currency-denominated bond with share warrant) 66: Domestically issued foreign bond with subscription warrant (yen-denominated	2	

No.	Item Name	Data Contents	Len	Remarks
		bond with share warrant) 67: Domestically issued foreign bond with subscription warrant (foreign currency-denominated bond with share warrant)		
5	Issuance Code (Domestic/Overseas)	1: Domestic Issuance 2: Overseas Issuance Set space in case of new share warrant securities and classified stocks	1	
6	Issue Code	Issue code of conversion/exercise target securities.	9	
7	TSE Listing Flag	0: Not Listing 1: Listing	1	
8	Bond Issue Number	Bond issue number of CB and bonds with share warrant. Set NULL in case of new share warrant securities and classified stocks.	40	Full-width characters may be included.
9	Bond Serial Number	Bond serial number of CB and bonds with share warrant. Set NULL in case of new share warrant securities and classified stocks.	40	Full-width characters may be included.
10	Redemption Date	Redemption date of CB and bonds with share warrant. Set all 9 in case of new share warrant securities and classified stocks.	8	The initial value is all 9.
11	Issuance Resolution Date	Issuance resolution date of conversion/exercise target securities.	8	The initial value is all 9.
12	Currency Code (foreign currency-denominated bond)	Currency code for foreign currency-denominated bonds. This format follows ISO 04217. Set 3 bytes of space in case of new share warrant securities and classified stocks.	3	Refer to 3. 4. 7. 2. Currency Code (foreign currency-denominated bond).
13	Fixed Exchange Rate (foreign currency-denominated bond)	Fixed exchange rate for foreign currency-denominated bonds. Set NULL in case of new share warrant securities and classified stocks.	26	Refer to Appendix 1

No.	Item Name	Data Contents	Len	Remarks
14	Conversion/Exercise Amount etc.	Conversion/Exercise amount of conversion/exercise target securities. - Total conversion par value (Unit: 1 yen, 1 currency) (CB and bonds with share warrant) - Number of securities exercised (Unit: 1 security) (new share warrant securities) - Number of shares converted (Unit: 1 share) (classified stocks)	27	Refer to Appendix 1
15	Conversion/Exercise Amount, etc. (up to the Day Before Delisting)	Conversion/Exercise amount of conversion/exercise target securities up to the day before delisting in case of delisting from the stock exchange during the reporting month, and the conversion/exercise amount, etc. is not zero. - Total conversion par value (Unit: 1 yen, 1 currency) (CB and bonds with share warrant) - Number of shares converted (Unit: 1 security) - NULL (new share warrant securities and classified stocks)	27	Refer to Appendix 1
16	Remaining Amount, etc.	Remaining amount of conversion/exercise target securities. - Total remaining amount par value (Unit: 1 yen, 1 currency) (CB and bonds with share warrant) - Remaining number of securities (Unit: 1 security) (new share warrant securities) - Remaining number of shares (Unit: 1 share) (classified stocks)	27	Refer to Appendix 1
17	Cancellation Amount, etc.	Cancellation amount of conversion/exercise target securities. - Total cancellation amount par value (Unit: 1 yen, 1 currency) (CB and bonds with share warrant) - NULL (new share warrant securities) - Cancellation number of shares (Unit: 1 security) (classified stocks)	27	Refer to Appendix 1
18	Redemption Amount, etc.	Redemption amount of conversion/exercise target securities. - Total redemption amount par value (Unit: 1 yen, 1 currency) (CB and bonds with share warrant) - NULL (new share warrant securities and classified stocks)	27	Refer to Appendix 1
19	Issue Price	Issue price per share of classified stocks. (Unit: 1 yen, 1 currency) In case of CB, bonds with share warrant and new share warrant securities, set NULL.	26	Refer to Appendix 1
20	Total Issue Amount of New Shares (Conversion Target Securities)	Total issue amount of new shares of conversion/exercise target securities of CB, bonds with share warrant and new share warrant securities. In case of classified stocks, set NULL.	26	Refer to Appendix 1
21	Increase/Decrease in the Number of Listed Shares	Sum of increase/decrease in the number of listed shares. (Unit: 1yen)	27	Refer to Appendix 1

3. 4. 7. 2. Currency Code (foreign currency-denominated bond)

Currency	Code	Currency	Code
UAE Dirham	AED	Korean Won	KPW
Austrian Schilling	ATS	Kuwaiti Dinar	KWD
Australian Dollar	AUD	Mexican Peso	MXN
Belgian Franc	BEF	Malaysian Ringgit	MYR
Canadian Dollar	CAD	Dutch Guilder	NLG
Swiss Franc	CHF	Norwegian Krone	NOK
Chinese Yuan	CNY	New Zealand Dollar	NZD
German Mark	DEM	Pakistani Rupee	PKR
Danish Krone	DKK	Escudo	PTE
Peseta	ESP	Qatari Riyal	QAR
Euro	EUR	Saudi Riyal	SAR
French Franc	FRF	Swedish Krona	SEK
British Pound	GBP	Singapore Dollar	SGD
Hong Kong Dollar	HKD	Thai Baht	THB
Indian Rupee	INR	United States Dollar	USD
Italian Lira	ITL	European Currency Unit (ECU)	XEU
Japanese Yen	JPY		

3. 4. 8 ToSTNeT Trading Information - Super-Block Execution of Single-Issue Trading

3. 4. 8. 1. Scope of Data to be Provided

Provides information on trades with a trading value of JPY 5 billion or higher in single-issue trading (ToSTNeT-1) (excluding trading for which both sale and purchase are entrusted by customers), which will be delivered on the following business day (disclosure date).

If there is no data, only the header will be displayed.

* Data sequence key is as below

1. Trading_Date (ascending order)
2. Code (ascending order)

3. 4. 8. 2. Data Format

No	Item Name	Data Contents	Len	Character	Remarks
1	Publication_Date	Data distribution date (yyyymmdd)	8	C	
2	Trading_Date	Trading date of the trade (yyyymmdd)	8	C	Set as the previous business date of the distribution date
3	Trade_Time	Trade time of the trade (hh:mm)	5	C	
4	Code	Traded issue code	9	C	
5	Issue_Name_Japanese	Traded issue name in Japanese	24	C	
6	Issue_Name_English	Traded issue name in English	37	C	
7	Price_yen	Traded price in yen	13	C	Order price (8 digits) + Decimal part of order price (4 digits) Domestic Stocks/Foreign Stocks/ETFs/REITs: Integer multiple of 1/10,000 of 1 yen CB: Integer multiple of 1/100 of 1 sen per 100 yen par value
8	Trading_Volume_shares	Traded number of shares	10	C	ETFs/REITs : number of units CB : yen
9	Trading_Value_yen	Traded value in yen	20	C	

3. 4. 9 O/H/L/C Price (Carbon Credit)

3. 4. 9. 1. Scope of Data to be Provided

Provides information on opening, high, low and closing prices, base prices, and trading volume for each trading category for the data provision date, for carbon credit market on Tokyo Stock Exchange.

3. 4. 9. 2. Data Format

No	Item Name	Data Contents	Len	Character	Remarks
1	Scheme	Scheme J-クレジット: J-Credit 国内クレジット: Transferred from Domestic Credit Scheme J-VER: Transferred from J-VER Scheme 地域版J-クレジット: Regional J-Credits J-VER（未移行）: J-VERs (not yet transferred) 地域版J-クレジット（未移行）: regional J-VERs (not yet transferred) 国内クレジット（未移行）: domestic credits (not yet transferred)	120	C	*1
2	Main Category	Main Category under Scheme 省エネルギー: Energy saving 再生可能エネルギー（電力）: Renewable energy (electricity) 再生可能エネルギー（熱）: Renewable energy (heat) 再生可能エネルギー（電力及び熱混合）: Renewable energy (mixed electricity and heat) 森林: Forest sink その他: Other 国内クレジット: Domestic credits J-VER（森林）: J-VER (forest sink) J-VER（その他）: J-VER (other) 地域版クレジット: Regional J-Credits J-VER（未移行）森林: J-VER (not yet transferred) forest sink J-VER（未移行）その他: J-VERs (not yet transferred) other 地域版J-VER（未移行）: Regional J-VERs (not yet transferred) 国内クレジット（未移行）: Domestic credits (not yet transferred)	120	C	*1
3	Subcategory	Subcategory under Main Category （指定しない）: (Not specified)	120	C	*1

No	Item Name	Data Contents	Len	Character	Remarks
4	Code	Code	7	C	
5	Price (Base Price)	Base Price for each Main Category for the day	13	C	
6	Date (Base Price)	Date of application of Base Price for the day	10	C	
7	Session (Base Price)	Applicable Session of Base Price for the day セッション 1 :Session 1 セッション 2 :Session 2	120	C	*1,2
8	Opening Price	Opening Price Set hyphen ("-") if there are no data	13	C	
9	Session_Opening	Session for Opening Price セッション 1 :Session 1 セッション 2 :Session 2 Set hyphen ("-") if there are no data	120	C	*1,2
10	High Price	High Price Set hyphen ("-") if there are no data	13	C	
11	Session_High	Session for High Price セッション 1 :Session 1 セッション 2 :Session 2 Set hyphen ("-") if there are no data	120	C	*1,2
12	Low Price	Low Price Set hyphen ("-") if there are no data	13	C	
13	Session_Low	Session for Low Price セッション 1 :Session 1 セッション 2 :Session 2 Set hyphen ("-") if there are no data	120	C	*1,2
14	Closing Price	Closing Price Set hyphen ("-") if there are no data	13	C	
15	Session_Closing	Session for Closing Price セッション 1 :Session 1 セッション 2 :Session 2 Set hyphen ("-") if there are no data	120	C	*1,2
16	Volume	Total Volume for the day	13	C	
17	Price (Base Price for Next Session)	Base Price for each Main Category for the next business day	13	C	
18	Date (Base Price for Next Session)	Date of application of Base Price for the next business day	10	C	
19	Session (Base Price	Applicable Session of Base Price for the next business day	120	C	*1,2

No	Item Name	Data Contents	Len	Character	Remarks
	for Next Session)	セッション 1 :Session 1 セッション 2 :Session 2			

*1 Full-width Japanese characters are set.

*2 Session 1 is executed at 11:30 and Session 2 at 15:00.

4. Operation in Case of System Failure

When failure occurs in the system, it is notified by email.
Please refer to “Specification for Connecting to Data Feed Server” for details.

5. Contact

JPX Market Innovation & Research, Inc. (JPXI)
Client Services
E-mail: tminfo@jpx.co.jp

Appendix 1 Notes Regarding Numerical Data

Regarding O/H/L/C Price (Cash Equities)/ **Results of Conversion of Convertible Bonds**, numerical data values (other than codes, dates and times) include signs (plus or minus) and decimal points. The display formats for each type of data are as follows.

No.	LEN	Display Format	Content	Remarks
1	17	sNNNNNNNNNNNNNNN.NN	Sign (1) + Integers (13) + decimal point (1) + fractions (2)	
2	20	sNNNNNNNNNNNNNNNN.NNNN	Sign (1) + Integers (14) + decimal point (1) + fractions (4)	
3	21	sNNNNNNNNNNNNNNNNNNNNNN	Sign (1) + Integers (20)	
4	27	sNNNNNNNNNNNNNNNNNNNNNN.NNNNN	Sign (1) + Integers (20) + decimal point (1) + fractions (5)	
5	28	sNNNNNNNNNNNNNNNNNNNNNN.NNNNNN	Sign (1) + Integers (20) + decimal point (1) + fractions (6)	

s: Indicates the sign; only displayed when the sign is minus (-)

N: Indicates numerical data

Record of Changes

No	version	Date	Changes
1	1.0	2009/5/26	Initial Publication
2	1.1		"Date Contents" for NO4 "Local Code" is modified.
3	1.1		The following comment is added in "Remarks" at 3.4.1 NO11、15 and 3.4.2 NO11、12. "Initial price set at 0.0000."
4	1.1		"Date Contents" for NO14 "Trading Value" and NO15 "VWAP" is changed to reflect the fact that Null is set therein. The following "Unit Details" is also modified.
5	1.1	Upon launch of Tdex+	"Matters to be noted on option issues" is added at the bottom of the page.
6	1.2		"Date Contents" for NO14 "Trading Value" and NO15 "VWAP" is changed to reflect the fact that actual data are set therein instead of Null. The following "Unit Details" is also modified.
7	1.2		In "Matters to be noted on option issues" at the bottom of 3.4.2, explanation on trading value and VWAP is added.
8	1.2		"Matters to be noted on futures spread trading" is added.
9	1.3	2010/1/4	"EB(Exchangeable Bonds)" is added in Product Class Code.
10	1.3	2010/1/4	"EB(Exchangeable Bonds)" is added in Unit detail.
11	1.4	2011/8/5	Changed the provision time for O/H/L/C (Derivatives) for file distribution timing and file overview (3.3)
12	1.4	2011/8/5	Added "Domestic Stocks (Mothers)" to number 3 "Product Class Code" under 3.4.1 O/H/L/C Price (Cash Securities)
13	1.4	2011/8/5	Added "69 Individual Stock Options" to number 3 "Product Class Code" under 3.4.2 O/H/L/C Price (Derivatives)

No	version	Date	Changes
14	1.4	2011/8/5	Added to the "Remarks" column for number 12 "Settlement price /Contract price for margin calculation" under 3.4.2 O/H/L/C Price (Derivatives)
15	1.4	2011/8/5	Indicated that 0.0000 is set the initial value for all issues is 0.0000 for number 15 "VWAP" under 3.4.2 O/H/L/C Price (Derivatives)
16	1.4	2011/8/5	Added to number 16 "Position Balance" under 3.4.2 O/H/L/C Price (Derivatives)
17	1.4	2011/8/5	Deleted "VWAP (unit)" in "Unit Details" under 3.4.2 O/H/L/C Price (Derivatives)
18	1.4	2011/8/5	Added "Individual Stock Options" in "Unit Details" under 3.4.2 O/H/L/C Price (Derivatives)
19	1.4	2011/8/5	Added "Position Balance" column in "Unit Details" under 3.4.2 O/H/L/C Price (Derivatives)
20	1.4	2011/8/5	Changed trading value unit for item 3 "Bond Futures (Government Bond Futures)" in "Unit Details" under 3.4.2 O/H/L/C Price (Derivatives)
21	1.5	2011/12/12	Deleted "Set at null for Index Options on SQ days" in "Settlement Price" under 3.4.2 O/H/L/C Price (Derivatives)
22	1.6	2012/4/26	Added TOKYO PRO Market Issues under No. 3 "Product Class Code" in 3.4.1 "O/H/L/C Price (Cash Securities)"
23	1.6	2012/4/26	Indicated the inclusion of TOKYO PRO Market Issues in No. 6 "Market Section" in 3.4.3 "Base Price for Daily Price Limit"
24	1.6	2012/4/26	Indicated the inclusion of TOKYO PRO Market Issues under "(G) Mothers" in the chart under (2) in "Provision Records"
25	1.7	2013/2/1	3.4.1 O/H/L/C Price (Cash Securities) JASDAQ Issues have been added under No. 3 "Product Class Code."
26			3.4.1 O/H/L/C Price (Cash Securities) O/H/L/C Price of morning session and afternoon session has been added.
			3.4.3 Base Price for Daily Price Limit Following comment has been added under No.6 "Market Section." "0105" for the TOKYO PRO Market, "0106" for the JASDAQ Standard, "0107" for the JASDAQ Growth
27			3.4.4 Open Interest of Margin Transactions (as of subscription date) Data for JASDAQ and TOKYO PRO Market have been added under No.2 "Total / Detail Classification."
			Provision Records Items for JASDAQ and TOKYO PRO Market have been added.
28	2.0	2018/4/20	2. Connection The description on SFTP transfer has been added
			3. 3 Timing of File Updates Description on the timing related to Golden Week and New Year's holiday has been corrected.
			3.4.2 O/H/L/C (derivatives) has been deleted.

No	version	Date	Changes
			3.4.4 Open/high/low/close data for Index Following indices have been added in 2.index code. Besides, index name of '28,'29,'2B and '2D have been corrected. '2E' TOPIX 1000 '70' Tokyo Stock Exchange Mothers Index '75' Tokyo Stock Exchange REIT Index Following Indices have been deleted '4F' TOPIX Sector Indices(Electric Appliances) '50' TOPIX Sector Indices(Transportation Equipment) '5B' TOPIX Sector Indices(Banks)
29	2.1	2021/8/23	2. Connection Deleted the following words 1) File transfer through the communication procedure established by the Federation of Bankers' Associations of Japan (hereinafter referred to as "FBAJ") • " FBAJ standard communication protocol/Basic Protocol" • " FBAJ standard communication protocol/TCP/IP Protocol" Additional text is added 1)"FBAJ standard communication protocol/TCP/IP Protocol" 2) File transfer through FTP • FTP using arrownet 3) File transfer through SFTP • . SFTP using the Internet 3. Provision Method 3. 1 Information to be provided Deleted the following items (3) Base Price for Daily Price Limit (6) Market Segment Statistics 3. 2 Outline of files provided Removed the following summary Base Price for Daily Price Limit Market Segment Statistics 3.3 Timing of File Updates Removed the following summary

No	version	Date	Changes
			Base Price for Daily Price Limit Market Segment Statistics Corrected to the following words TSE will update each files listed in above 3.1 once a day and files are existed till the files are replaced by the files on the next day. 3. 4 Data Format Removed the following data formats 3.4.2 Base Price for Daily Price Limit 3.4.5 Market Segment Statistics
30	2.2	2022/4/4	3.4.1 O/H/L/C Price (Cash Securities) Added the following for No.3 “21” for Prime(domestic stocks) “22” for Standard (domestic stocks) “23” for Growth (domestic stocks) “24” for TOKYO PRO Market (domestic stocks) “25” for investment beneficiary certificate “26” for investment trust beneficiary certificate *Correct “Unit Details” as well. 3.4.2 Open Interest of Margin Transactions (as of subscription date) Correct as following for No.2. 0 : Detail 1 : Loan issues total 2 : Loan issues Prime Market total 3 : Loan issues Standard Market total 4 : Loan issues Growth Market total 5 : Loan issues investment trusts, etc. total 6 : Margin issues total 7 : Margin issues Prime Market total 8 : Margin issues Standard Market total 9 : Margin issues Growth Market total A : Margin issues investment trusts, etc. total B : Other issues (non-loan, non-margin) total

No	version	Date	Changes
			C : Other issues (non-loan, non-margin) Prime Market total D : Other issues (non-loan, non-margin) Standard Market total E : Other issues (non-loan, non-margin) Growth Market total F : Other issues (non-loan, non-margin) investment trusts, etc. total G : Grand total H : Prime Market total I : Standard Market total J : Growth Market total K : Investment trusts, etc. total M : Loan issues TOKYO PRO Market total O : Margin issues TOKYO PRO Market total Q : Other issues (non-loan, non-margin) TOKYO PRO Market total S : TOKYO PRO Market total
			▪ Provision Records ▪ Correct as follows. First Section→Prime Section Second Section→Standard Section Mothers→Growth Section ▪ Deleted “JASDAQ”
31	3.0	2022/5/13	▪ Integrated of following Data Feed Service Specification. Master File 2 (All Listed Companies) Derivatives Master Maintenance File * If you need a Record of Changes for files which had independent specification before ver. 3.0, please contact us. ▪ Changed provided company name.
32			3. 4. 1. Master File 3. 4. 1. 2. Data Format “2. When the market section for the relevant security is Japan Securities Dealers Association (JSDA) “Green Sheet, etc” issue, item 9 is generally set to “Null” or “0”.”, and “3. When the same issuer has listed preferred shares or several classes of shares, item 9 is generally set to “Null” or “0” for the second and subsequent issues.” Deleted “or “0””

No	version	Date	Changes
			3. 4 .5. Derivatives Master Maintenance File 3. 4. 5. 2. Data Format In No, 15 Contract Date, added the details about Weekly options and flexible series. • Appendix "A list of Product Trading Identification, Identification Code, Type Code" “20-year JGB Futures” changed to “20-year JGB Mini futures” “mini 10-year JGB Futures” changed to “Mini 10-year JGB Futures(cash-settled)”
33	3.1	2022/5/13	• 3.1. Information to be provided Added “O/H/L/C Price (Derivatives)” for No.5 • 3. 2. Outline of files provided and Timing of File Updates Added “O/H/L/C Price (Derivatives)” for No.5 • 3. 3. Data Format Added “O/H/L/C Price (Derivatives)” • 3. 4. 5 O/H/L/C Price (Derivatives) Newly added *The above specification changes are applied on 2022/8/29
34	3.2	2023/5/29	The name of Master File 2 (All Listed Companies) changed to Master File The name of O/H/L/C Price (Cash Securities) changed to O/H/L/C Price (Cash Equities) Deleted “Open/high/low/close data for Index” • 3. 4. 2 O/H/L/C Price (Cash Equities) 3. 4. 2. 2. Unit Details Trading Volume Removed "1 share or" in No 6,7 • 3. 4. 4 O/H/L/C Price (Derivatives) 3. 4. 4. 1. Data Format Weekly option changed to “Nikkei 225 mini option” in No.79, • 3. 4. 5 Derivatives Master Maintenance File

No	version	Date	Changes
			3. 4. 5. 2. Data Format Removed “Nikkei 225 Mini, and Nikkei Weekly” in No.11 Nikkei 225 Weekly Options changed to “Nikkei 225 Mini Options” In No.14,15 and 18. • Appendix "List of Product Trading Identification, Identification Code, Type Code" Product Classification Add the following item • Nikkei 225 Micro Futures • S&P/JPX 500 ESG Score Tilted Index Futures • FTSE JPX Net Zero Japan 500 Index Futures • Nikkei 225 Climate Change 1.5°C Target Index Futures • Nikkei 225 mini Options • 3-Month TONA Futures • Deleted “Nikkei 225WeeklyOption” from Product Classification
35	3.25	2023/10/10	2. Connection Add the following For more information about each connection method, refer to the following documents. 1) ToSTNeT Trading Information or O/H/L/C Price (Carbon Credit) “Specification for connecting to Data Feed Server (ToSTNeT Trading Information, O/H/L/C Price (Carbon Credit) and Detail Breakdown Trading Data)” 2) Files listed in Chapter ” 3. 1. Information to be provided”, other than those listed above “JPX Market Innovation & Research Specification for connecting to Data Feed Server” • “ToSTNeT Trading Information - Super-Block Execution of Single-Issue Trading” and “O/H/L/C Price (Carbon Credit)” are added.
36	3.3	2023/11/6	3. 4. 1. Master File 3. 4. 1. 2. Data Format No.34 TSE New Listing Identifier • Add the following

No	version	Date	Changes
			Set “0” when the instrument changing its segment within TSE Market (prime, standard and growth markets) except PRO Market. Set “1” when the instrument changing its segment from PRO Market to the above 3 markets. 【Appendix】 List_of_ProductTradingIdentification_IdentificationCode_TypeCode No,5 Product Classification Changed TSE Mothers Index Futures to Tokyo Stock Exchange Growth Market 250 Index.
37	3.4	2024/3/18	The following text has been added due to suspension of RN Prime Futures Index trading. 3. 4. 4 O/H/L/C Price (Derivatives) * Regarding suspension of RN Prime Index futures trading ▪ Opening price, High price, Low price, Closeprice: Includes zero yen. ▪ Base price: set dummy value 3. 4. 5 Derivatives Master Maintenance File 3. 4. 5. 1. Scope of Data to be Provided *For RN Prime Index Futures, the issue information regarding new contract months will be provided even after the trading of them is suspended. 【Appendix】 A list of Product Trading Identification Identification Code Type Code Add the following products ▪ JPX Prime150 Index Futures ▪ West Area Baseload Electricity Futures (Weekly) ▪ West Area Peakload Electricity Futures (Weekly) ▪ East Area Baseload Electricity Futures (Weekly)

No	version	Date	Changes
			• East Area Peakload Electricity Futures (Weekly) • Added description regarding suspension of RN Prime Index Futures trading
38	3.5	2024/5/20	3. Provision Method Added “Scheduled Dates of Earnings Releases Information”.
39	3.5	2024/11/5	3. Provision Method 3. 2. Outline of files provided and Timing of File Updates Changed the delivery time of O/H/L/C Price (Derivatives) to 16:30. Changed the delivery time of Derivatives Master Maintenance File(first time) to 16:00. 【Appendix】 File name list JPX Reference Data Changed the delivery time of O/H/L/C Price (Derivatives) to 16:30. Changed the delivery time of Derivatives Master Maintenance File(first time) to 16:00.
40	3.6	2024/12/13	3. 4. 1. Master File 3. 4. 1. 4. Market Section Code Added “Fukuoka PRO Market”
41	3.7	2025/5/26	3. 4. 4 O/H/L/C Price (Derivatives) Added the chapter “3. 4. 4. 1. Scope of Data to be Provided” Changed the chapter number from “3. 4. 4. 1. Data Format” to “3. 4. 4. 2. Data Format” 3. 4. 4. 2. Data Format No.79 Added description of Electricity Futures (Fiscal Year) in “Contract Month”. 3. 4. 5 Derivatives Master Maintenance File 3. 4. 5. 2. Data Format No.14 Added description for Electricity Futures (Fiscal Year) in “Contract Month”. No.15 Added description for Nikkei 225 mini options in “Contract Date”. 【Appendix】 A list of Product Trading Identification Identification Code Type Code Add the following products • Shanghai Natural Rubber Futures

No	version	Date	Changes
			▪ West Area Baseload Electricity Futures (Fiscal Year) ▪ West Area Peakload Electricity Futures(Fiscal Year) ▪ East Area Baseload Electricity Futures (Fiscal Year) ▪ East Area Peakload Electricity Futures(Fiscal Year)
42	3.8	2026/4/13	【Appendix】 A list of Product Trading Identification Identification Code Type Code Add the following products ▪ USD/JPY Futures ▪ CNH/JPY Futures ▪ EUR/JPY Futures ▪ TSE REIT Index Options ▪ TOPIX Banks Index Options ▪ Pocket Gold 100 Futures ▪ Pocket Platinum 100 Futures ▪ Chubu Area Baseload Electricity Futures ▪ Chubu Area Peakload Electricity Futures ▪ Chubu Area Baseload Electricity Futures (Fiscal Year) ▪ Chubu Area Peakload Electricity Futures(Fiscal Year) Add an explanation about the suspension of the following products ▪ Gold Rolling-Spot Futures ▪ Platinum Rolling-Spot Futures
43	3.9	SPFM opening date	3. 4. 1. Master File 3. 4. 1. 4. Market Section Code Added “Sapporo PRO Frontier Market” 3. Provision Method Deleted “Scheduled Dates of Earnings Releases Information”.

No	version	Date	Changes
44	4.0	2026/9/28	3. Provision Method 【Appendix】 File name list_JPX Reference Data Deleted “Open Interest of Margin Transactions(as of subscription date)”. Added “Outstanding Margin Trading by Issue”, “Number of Shares of Listed Companies” and “Results of Conversion of Convertible Bonds”.