I. Interface specifications

1. Service overview

This service provides Last Sales Information of stocks, etc. with a 15-minute delay (update interval: every minute).

Target stocks	Tokyo Stock Exchange (all listed stocks except CB, straight bonds, and TOKYO PRO-BOND Market), Fukuoka Stock Exchange, and Sapporo Stock Exchange (all listed stocks except bonds)

For stocks that are listed on both TSE and other exchanges, only stock price information of stocks that have been contracted on TSE is included in the output.
Special quotations and standard prices are not subject to output.

2. Interface specification details

(1) API for Last Sales Information request

The request URL is as follows.

https://api.arrowfront.jp/stockprice

When executing a request, the request parameters are set in the HTTP header and body parts as follows.

◆ How to set the header part

The following header information is mandatory.

Header name	Header value
x-api-key	Access key provided by TSE
Content-Type	application/json

◆ How to set the body part

Set the request parameters in JSON format as follows.
Parameter specification

Item name	Parameter name	Mandatory	Set value	Explanation
Access key	accessKey	〇	"abcdedfghijklmnopqrstuvwxyz"	Set the access key provided by TSE (Set the same value as that set in the header part)
Stock code	code	-	null Or "1234" Or "12340"	When specifying all stocks Set null When specifying a specific stock code Set a four or five digit stock code (When four digits are set, "0" is supplemented at the end.)

[Legend for mandatory fields] 〇: Mandatory △: Conditionally mandatory -: Optional

<Example of setting of request body part>

```
{
  "accessKey":"abcdedfghijklmnopqrstuvwxyz",
  "code":null
}
```

(2) API for Last Sales Information response

In the HTTP body part, the following values are returned in JSON format.
<Parameter specification> (1/2)

Item name		Parameter name		Character type	Number of digits	Explanation
Status code		statusCode		Half width	3	If normal, set "200". If not normal, set other than "200". For details, refer to "Appendix 1. List of Codes".
Message		message		Full width and half width	～255	If an error occurs, set the reason for the error. For details, refer to "Appendix 1. List of Codes".
Number of responses		count		Half width	～5	Number of records in stocksPriceList
Results of acquisition of market information		stocksPriceList		-	-	
	Stock code		code	Half width	5	Set the stock code *Even if four digits are entered at the time of a call, five digits are returned at the time of the response.
	Exchange		exchange	Half width	2	"01" Tokyo Stock Exchange "06" Fukuoka Stock Exchange "08" Sapporo Stock Exchange
	Market segment		section	Half width	4	<In the case of TSE stocks> "0111" Prime Market (domestic stocks) "0112" Standard Market (domestic stocks) "0113" Prime Market (foreign stocks) "0114" Growth Market (domestic stocks) "0115" Domestic Securities Investment Trust Beneficiary Certificates "0116" Foreign Securities Investment Trust Beneficiary Certificates "0117" Preferred Equity Securities "0118" Growth Market (foreign stocks) "0119" Investment Securities "0121" Standard Market (foreign stocks) "0122" TOKYO PRO Market (domestic stocks) "0123" TOKYO PRO Market (foreign stocks) <In the case of FSE stocks> "0111" Main Markets "0114" Q-Board "0115" Domestic beneficiary certificate of investment trust "0119" Investment certificate "0122" Fukuoka PRO Market (domestic stocks) "0123" Fukuoka PRO Market(foreign stocks) <In the case of SSE stocks> "0111" Main Markets "0114" Ambitious For stocks that do not have a contract on the day, output a blank until the end of trading hours.
	Date of contract		tradeDate	Half width	10	Output the latest date of contract YYYY-MM-DD format At 8:00 on a business day, update the date of output to the date of the relevant date of execution of the process (No updating is conducted on non-business days). Output the date regardless of whether there is a contract or not
	Time of the latest price change		tradeTime	Half width	5	Output the time of the latest price change hh:mm format Stocks with no contract on the day are null

<Parameter specification> (2/2)

Item name		Parameter name		Character type	Number of digits	Explanation
	Latest update time		latestUpdateTime	Half width	5	Output the latest update time (15-minute delay; update interval: 1 minute). Set NULL when a call is made between 8:00 and 9:14 on a business day. If you call between 9:15 and 15:45 on a business day, set the system time minus 15 minutes at the time of the request. In other cases, set 15:30.
	Trade name		name	Full width and half width	～ 240	Output the trade name of the relevant stock.
	English trade name		englishName	Half width	～ 140	Output the English trade name of the relevant stock.
	Opening price		open	Half width	～ 14	Output the opening price XXX.X format (the first decimal place is always output) Stocks with no contract on the day are null
	High price		high	Half width	～ 14	Output the latest high price XXX.X format (the first decimal place is always output) Stocks with no contract on the day are null
	Low price		low	Half width	～ 14	Output the latest low price XXX.X format (the first decimal place is always output) Stocks with no contract on the day are null
	Current and closing prices		close	Half width	～ 14	Output the latest current price (closing price after the close of trading) XXX.X format (the first decimal place is always output) Stocks with no contract on the day are null
	Trading volume		volume	Half width	～ 14	Output the latest trading volume Stocks with no contract on the day are null
	Trading value		turnoverValue	Half width	～ 14	Output the latest trading value Stocks with no contract on the day are null

<Example of setting of response body part>

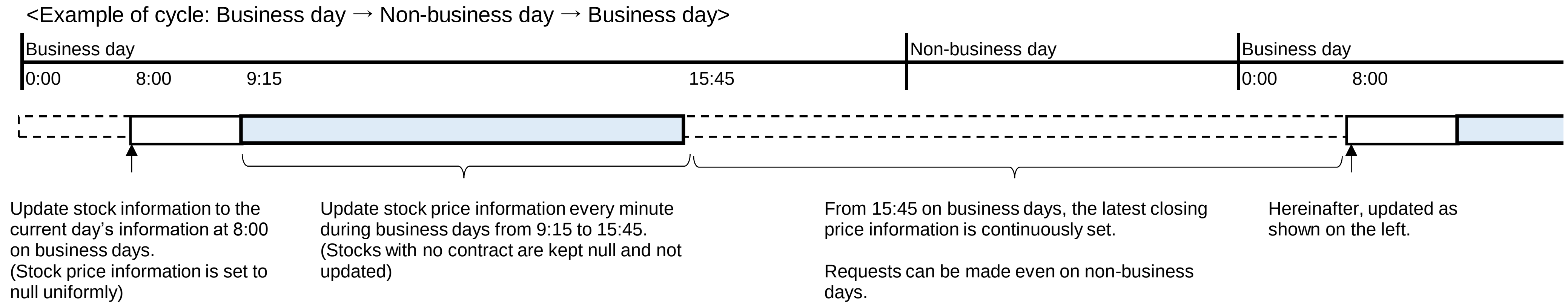

```
{
  "statusCode": "200",
  "message": null,
  "count": "4000",
  "stocksPriceList": [
    {
      "code": "10000",
      "exchange": "01",
      "section": "0111",
      "tradeDate": "2020-11-05",
      "tradeTime": "12:33",
      "latestUpdateTime": "12:39",
      "name": "ダミーA会社",
      "englishName": "AAAA",
      "open": "1000.0",
      "high": "1100.0",
      "low": "950.0",
      "close": "1050.0",
      "volume": "1000",
      "turnoverValue": "100000"
    },
    {
      "code": "10010",
      "exchange": "01",
      "section": "0111",
      "tradeDate": "2020-11-05",
      "tradeTime": "12:39",
      "latestUpdateTime": "12:39",
      "name": "ダミーB会社",
      "englishName": "BBBB",
      "open": "1000.0",
      "high": "1100.0",
      "low": "950.0",
      "close": "1050.0",
      "volume": "1000",
      "turnoverValue": "100000"
    },
    {
      "code": "10020",
      "exchange": "01",
      "section": "",
      "tradeDate": "2020-11-05",
      "tradeTime": null,
      "latestUpdateTime": "12:39",
      "name": "ダミーC会社",
      "englishName": "CCCC",
      "open": null,
      "high": null,
      "low": null,
      "close": null,
      "volume": null,
      "turnoverValue": null
    },
       （hereinafter, multiple stocks are repeated）
  ]
}
```

II. Points of attention

◆ About the update cycle for stock price information

The update cycle for stock price information is as follows.

<Example of cycle: Business day → Non-business day → Business day>



◆ Concept of volume charge

The volume charge of the System is counted as one case for each stock when the System returns the stock price information normally and charges are incurred. Responses returned as errors are not counted as charges.

◆ Flow control

If requests are continuously executed more than twice per second, the connection may be temporarily suspended.

Appendix 1. List of Codes

◆ Status

Code value	Response type	Message
200	Normal	
204	Abnormal	It is a stock code that does not exist.
422	Abnormal	Check because the access key is invalid.
422	Abnormal	Specify the stock code as null or number in four or five digits.
405	Abnormal	Check because the access key is invalid.
500	Abnormal	Failed to obtain market information.

Revision

Date	Version	Changes
2021/1/22	1.0	First edition
2022/4/4	1.1	Revisions of specifications regarding the revision of market segments. "0111" First Section (domestic stocks) → "0111" Prime Market (domestic stocks) "0112" Second Section (domestic stocks) → "0112" Standard Market (domestic stocks) "0113" First Section (foreign stocks) → "0113" Prime Market (foreign stocks) "0114" Mothers (domestic stocks) → "0114" Growth Market (domestic stocks) "0118" Mothers (foreign stocks) → "0118" Growth Market (foreign stocks) "0121" Second Section (foreign stocks) → "0121" Standard Market (foreign stocks) "0124" JASDAQ Standard (domestic stocks) → delete "0125" JASDAQ Standard (foreign stocks) → delete "0126" JASDAQ Growth (domestic stocks) → delete "0127" JASDAQ Growth (foreign stocks) → delete
2023/7/7	1.2	II. Points of attention ◆ Flow control once per second → twice per second
2024/11/5	1.3	Revision due to change in auction hours I. Interface specifications 1. Service overview Changed from a 20 minute delay to a 15 minute delay 2. Interface specification details (2) API for Last Sales Information response Latest update time II. Points of attention ◆ About the update cycle for stock price information Changed update time
2024/12/16	1.4	(2) API for Last Sales Information response Results of acquisition of market information ・Added in section "0115" Domestic beneficiary certificate of investment trust "0119" Investment certificate "0122" Fukuoka PRO Market (domestic stocks) "0123" Fukuoka PRO Market(foreign stocks) ("0115" and "0119" were added in this revision due to pass omissions.)

End