

## Reference Data and Corporate Action Specification

<b>1. Profile of securities to be traded on the next trading day</b>	
Description	Securities from SET and mai markets which will be available in the trading system in the next trading day, include new security and basic information on to-be-listed securities in the next trading day
Format Type	JSON format or CSV format (Pipe Delimited)
Issue Basis	Data will be updated at 6.00 pm (first round) and 11.55 pm (second round) everyday

### Specification

No.	Field Name	Type	Description
1	Security Symbol	String (32)	Security symbol of SET and mai market Sample value: - PTT - PTT-F - PTT13P2107A
2	Trading Orderbook ID	Integer	Orderbook ID of trading system
3	Trading Market Code	String	Market code of security which is main market or odd-lot market Possible value: - M = Main Market - O = Odd Lot Market
4	Market ID	String	Market of security which is SET market or mai market Possible value: - SET - mai
5	Sector Number	Integer	Sector ID or Industry ID of security Possible value can be found in an Appendix: - For SET: this field is Sector ID - For mai: this field is Industry ID
6	Security Type	String	Type of security Possible value: - F = Foreign Common Stock - J = Convertible Preferred - L = ETF

			<ul style="list-style-type: none"> <li>- P = Preferred</li> <li>- Q = Preferred Foreign</li> <li>- R = Transferable Subscription Right</li> <li>- S = Common Stock</li> <li>- T = Unit Trust Foreign</li> <li>- U = Unit Trust</li> <li>- V = Derivatives Warrant</li> <li>- W = Warrant</li> <li>- X = Depository Receipt</li> <li>- Y = Depository Receipt Foreign</li> </ul>
7	Security Name	String (255)	<p>Full name of security</p> <p>Sample value:</p> <ul style="list-style-type: none"> <li>- PTT PUBLIC COMPANY LIMITED</li> <li>- PW on PTT issued by KGI# A</li> </ul>
8	Par Value	Number	Par value is 5 decimal places
9	Board Lot	Integer	Trading unit of security
10	Ceiling Price	Number	Upper price limit of security 2-5 decimal places
11	Floor Price	Number	Lower price limit of security 2-5 decimal places
12	Non-Compliance Flag	String	<p>Non-compliance status of security</p> <p>Possible value:</p> <ul style="list-style-type: none"> <li>- Y = Non-compliant</li> <li>- N = Compliant</li> </ul>
13	Stabilization Flag	String	<p>Stabilization status of security</p> <p>Possible value:</p> <ul style="list-style-type: none"> <li>- Y = Stabilized</li> <li>- N = Otherwise</li> </ul>
14	Halt Status	String	<p>Halt or suspend status of security</p> <p>Possible value:</p> <ul style="list-style-type: none"> <li>- " (Not halt)</li> <li>- DISABLED (For new listed stock)</li> <li>- HALT</li> <li>- SUSPEND</li> </ul>
15	Split	String	<p>Split status of security</p> <p>Possible value:</p> <ul style="list-style-type: none"> <li>- Y = Split</li> <li>- N = Otherwise</li> </ul>
16	Benefit Flag	String	Benefit sign of security

			<p>Possible value:</p> <ul style="list-style-type: none"> <li>- XR = Capital Increase</li> <li>- XD = Dividend</li> <li>- XN = Capital Return</li> <li>- XS = Short Term Warrant</li> <li>- XW= Long Term Warrant</li> <li>- XT = Transferrable Subscription Rights</li> <li>- XB = Other Benefit</li> <li>- XA = More than one flag</li> </ul>
17	Notice Flag	String	<p>Notice status of security</p> <p>Possible value:</p> <ul style="list-style-type: none"> <li>- '' = No Flag</li> <li>- NP = Notice Pending</li> <li>- NR = Notice Received</li> </ul>
18	Caution Flag	String	<p>Caution status of security</p> <p>Possible value:</p> <ul style="list-style-type: none"> <li>- '' = No Flag</li> <li>- C = Caution Flag</li> </ul>
19	NPG Flag	String	<p>Non performing group status of security</p> <p>Possible value:</p> <ul style="list-style-type: none"> <li>- Y = NPG Stock</li> <li>- N = Normal Stock</li> </ul>
20	Allow NVDR	String	<p>Allow to trade NVDR stock status of security</p> <p>Possible value:</p> <ul style="list-style-type: none"> <li>- A = All (Buy and Sell)</li> <li>- S = Sell Only</li> <li>- N = Not Allow</li> </ul>
21	Allow Short Sell	String	<p>Allow to short sell status of security</p> <p>Possible value:</p> <ul style="list-style-type: none"> <li>- Y = Allow short sell</li> <li>- N = Not Allow</li> </ul>
22	Allow Short Sell on NVDR	String	<p>Allow to short sell on NVDR stock status of security</p> <p>Possible value:</p> <ul style="list-style-type: none"> <li>- Y = Allow short sell on NVDR</li> <li>- N = Not Allow</li> </ul>
23	Allow TTF	String	<p>Allow to trade TTF stock status of security</p> <p>Possible value:</p> <ul style="list-style-type: none"> <li>- A = All (Buy and Sell)</li> <li>- S = Sell Only</li> </ul>

			- N = Not Allow
24	Underlying Short Name	String (32)	Underlying short name for ETF, Warrant, DW, TSR and DR
25	Underlying Name	String (100)	Underlying name for ETF, DW and DR that their underlying is not listed in SET or mai
26	IPO Price	Number	IPO price for Common stocks, ETF and offering price for DR
27	Listed Shares / Outstanding Shares	Number	For Common stock, Preferred stock,Warrant and TSR this field is listed share for tomorrow For Unit Trust, ETF, DW and DR, this field is the latest outstanding share (up to issuer reported)
28	Listed Date	Date	YYYY-MM-YY
29	First Trade Date	Date	YYYY-MM-YY
30	Delisted Date	Date	YYYY-MM-YY
31	Last Trade Date	Date	YYYY-MM-YY For Warrant, DW, TSR and DR
32	Last Exercise Date	Date	YYYY-MM-YY For Warrant, DW, TSR and DR
33	Expiration Date	Date	YYYY-MM-YY For Warrant, DW, TSR and DR
34	Exercise Ratio In	Number	0-12 decimal places
35	Exercise Ratio Out	Number	0-12 decimal places
36	Exercise Price	Number	2-12 decimal places
37	Multiplier	Number	0-12 decimal places
38	ISIN Code	String (14)	ISIN of stocks in odd-lot market will be the same with round-lot market
39	ISIN Code (NVDR)	String (14)	ISIN of NVDR stock
40	Currency of Trading	String (3)	
41	Currency of Par	String (3)	
42	Currency of Underlying	String (3)	For Index DW

## 2. Profile of series to be traded on the next trading day

Description	Series from TFEX which will be available in the trading system in next trading day.
Format Type	JSON format or CSV format (Pipe Delimited)
Issue Basis	Data will be updated at 6.40 pm (first round) and 11.55 pm (second round) everyday

### Specification

No.	Field Name	Type	Description
1	Series Short Name	String	Series short name of TFEX market Sample value: <ul style="list-style-type: none"><li>- S50M21</li><li>- GOM21</li><li>- S50M21C950</li></ul>
2	Trading Orderbook ID	Integer	Orderbook ID of trading system
3	Market ID	String	Market of series Sample value: <ul style="list-style-type: none"><li>- TXI</li><li>- TXS</li><li>- TXM</li></ul>
4	Market Name	String	Market Full Name
5	List ID	String	List ID of security Sample value: <ul style="list-style-type: none"><li>- TXI_IF</li><li>- TXI_IO</li></ul>
6	List Name	String	List full name
7	Segment ID	String	Segment ID of series Sample value: <ul style="list-style-type: none"><li>- TXI_IF_S50IF</li><li>- TXI_IO_S50IO</li></ul>
8	Segment Name	String	Segment full name
9	Instrument ID	String	Instrument ID of series
10	Instrument Name	String	Instrument full name
11	Previous Series Short Name	String	Old Series Short Name. This field is provided in case of short name changed
12	Event	String	Event type of series Possible value:

			<ul style="list-style-type: none"> <li>- v = Normal Series</li> <li>- 0 = Movement in underlying price or replacement of expired series</li> <li>- 1 = Corporate Action</li> </ul>
13	Underlying Short Name	String	
14	First Trade Date	Date	YYYY-MM-DD
15	Last Trade Date	Date	YYYY-MM-DD
16	Expiration Date	Date	YYYY-MM-DD
17	Reference Price	Number	
18	Price Quotation Factor	Number	
19	Contract Size	Number	
20	Strike Price	Number	
21	Options Type	String	Possible value: <ul style="list-style-type: none"> <li>- 0 = Not Applicable (For Futures)</li> <li>- 1 = Call</li> <li>- 2 = Put</li> </ul>
22	Options Style	String	Possible value: <ul style="list-style-type: none"> <li>- 0 = Not Applicable (For Futures)</li> <li>- 1 = American</li> <li>- 2 = European</li> </ul>
23	Settlement Method	String	Possible value: <ul style="list-style-type: none"> <li>- 1= Physical Delivery</li> <li>- 2= Cash</li> <li>- 3= Both</li> </ul>
24	Price Quotation Currency	String	Possible value: <ul style="list-style-type: none"> <li>- For GOLD-D: USD</li> <li>- For other products: THB</li> </ul>
25	ISIN	String	

### 3. Corporate action data of listed companies

Description	All upcoming corporate action that effective from the next day onwards for security in SET and mai market. <ul style="list-style-type: none"> <li>- New listed/ Delisted</li> <li>- Change Security Symbol/ Change Company Name</li> <li>- Change Market / Industry / Sector</li> <li>- Par Change (Split Par) / Ratio Change</li> <li>- Capital Increase (PP/ PO / XR)</li> <li>- Capital Decrease</li> <li>- Capital Return (XN)</li> <li>- Stock/ Cash Dividend (XD)</li> <li>- Other Benefit (XB)</li> <li>- Transferrable Subscription Rights (XT)</li> <li>- Exercise (XE)</li> <li>- Meeting (XM)</li> </ul>
Format Type	JSON format or CSV format (Pipe Delimited)
Issue Basis	Data will be updated at 6.00 pm (first round) and 11.55 pm (second round) everyday

#### Specification

No.	Field Name	Type	Description
1	Security Symbol	String (32)	
2	Security Type	String	Possible value: <ul style="list-style-type: none"> <li>- F = Foreign Common Stock</li> <li>- J = Convertible Preferred</li> <li>- L = ETF</li> <li>- P = Preferred</li> <li>- Q = Preferred Foreign</li> <li>- R = Transferable Subscription Right</li> <li>- S = Common Stock</li> <li>- T = Unit Trust Foreign</li> <li>- U = Unit Trust</li> <li>- V = Derivatives Warrant</li> <li>- W = Warrant</li> <li>- X = Depository Receipt</li> <li>- Y = Depository Receipt Foreign</li> </ul>

3	CA Type	String	<p>Possible value:</p> <ul style="list-style-type: none"> <li>- A1 = New Listed</li> <li>- A2 = Change Security Symbol / Change Company Name</li> <li>- A3 = Change Market / Industry / Sector</li> <li>- A4 = Delisted/ Expired</li> <li>- PC = Par Change</li> <li>- RC = Ratio Change</li> <li>- XB = Other Benefit</li> <li>- CD = XD - Cash Dividend</li> <li>- SD = XD - Stock Dividend</li> <li>- XE = Exercise</li> <li>- XN = Capital Return</li> <li>- XR = Rights Offering</li> <li>- XM = Meeting</li> <li>- PO / PP = Capital Increase</li> <li>- CR = Capital Decrease</li> </ul>
4	Sign Date / Effective Date	Date	<p>For A1, this field is listed date  For A2 and A3, this field is effective date  For A4, this field is delisted/expired date  For PC/RC, PP/PO and CR, this field is effective date  For X_, CD and SD, this field is sign date</p>
5	Sign End Date	Date	For X_, CD and SD
6	New Security Symbol	String (32)	For A2
7	New Security Name	String (255)	<p>For A1, this field is security name  For A2, this field is new security name</p>
8	New Market Code	String	<p>For A1, this field is market code  For A3, this field is new market code</p>
9	New Sector Code	Integer	<p>For A1, this field is sector code  For A3, this field is new sector code  Possible value can be found in an Appendix:</p> <ul style="list-style-type: none"> <li>- For SET: this field is Sector ID</li> <li>- For mai: this field is Industry ID</li> </ul>
10	New Par Value	Number	<p>For A1, this field is par value  For PC, this field is new par value</p>
11	New Multiplier	Number	<p>Only for Index DW  For A1, this field is multiplier  For RC, this field is new multiplier</p>
12	New Offering Price	Number	<p>For A1, this field is exercise price for Warrant, DW, DR, TSR  For RC, this field is new exercise price</p>

			For XB, XR, PP and PO, this field is offering price per share For XD (Cash Dividend), this field is dividend per share For XE, this field is exercise price For XN, this field is capital return per share
13	New Ratio In	Number	For A1, this field is exercise ratio in for Warrant, DW, DR, TSR For RC, this field is new exercise ratio in For XB and XR, this field is offering ratio in For XD (Stock Dividend), this field is dividend ratio in For XE, this field is exercise ratio in
14	New Ratio Out	Number	For A1, this field is exercise ratio out for Warrant, DW, DR, TSR For RC, this field is new exercise ratio out For XB and XR, this field is offering ratio out For XD (Stock Dividend), this field is dividend ratio out For XE, this field is exercise ratio out
15	Announce Date	Date	
16	Capital Decreased Share	Number	For CR

Data Field for each JSON Format

No	Field Name	JSON Format Group					
		New List (A1)	Change Name/Market (A2 & A3)	Delist (A4)	Par/Ratio Change (PC & RC)	Corporate Action (X_)	Capital Change (PP/PO & CR)
1	Security Symbol	/	/	/	/	/	/
2	Security Type	/	/	/	/	/	/
3	CA Type	/	/	/	/	/	/
4	Sign Date / Effective Date	Listed Date	Effective Date	Delisted/Expired Date	Effective Date	Sign Date	Effective Date
5	Sign End Date	x	x	x	x	/	x
6	New Security Symbol	x	/	x	x	x	x
7	New Security Name	Security Name	New Security Name	x	x	x	x
8	New Market Code	Market Code	New Market Code	x	x	x	x
9	New Sector Code	Sector Code	New Sector Code	x	x	x	x
10	New Par Value	Par Value	x	x	New Par Value	x	x
11	New Multiplier	Multiplier	x	x	New Multiplier	x	x
12	New Offering Price	Exercise Price	x	x	New Exercise Price	Offering Price	Offering Price
13	New Ratio In	Exercise Ratio In	x	x	New Exercise Ratio In	Ratio In	x

14	New Ratio Out	Exercise Ratio Out	x	x	New Exercise Ratio Out	Ratio Out	x
15	Announce Date	/	/	/	/	/	/
16	Capital Decreased Share	x	x	x	x	x	/

## Appendix

### SET Industry & Sector

Industry No.	Sector No.	Industry / Sector	กลุ่มอุตสาหกรรม / หมวดธุรกิจ	Symbol
<b>1</b>		<b>Agro &amp; Food Industry</b>	เกษตรและอุตสาหกรรมอาหาร	<b>AGRO</b>
	1	Agribusiness	ธุรกิจการเกษตร	AGRI
	12	Food & Beverage	อาหารและเครื่องดื่ม	FOOD
<b>2</b>		<b>Consumer Products</b>	สินค้าอุปโภคบริโภค	<b>CONSUMP</b>
	27	Fashion	แฟชั่น	FASHION
	15	Home & Office Products	ของใช้ในครัวเรือนและสำนักงาน	HOME
	22	Personal Products & Pharmaceuticals	ของใช้ส่วนตัวและเวชภัณฑ์	PERSON
<b>3</b>		<b>Financials</b>	ธุรกิจการเงิน	<b>FINCIAL</b>
	2	Banking	ธนาคาร	BANK
	11	Finance & Securities	เงินทุนและหลักทรัพย์	FIN
	16	Insurance	ประกันภัยและประกันชีวิต	INSUR
<b>4</b>		<b>Industrials</b>	สินค้าอุตสาหกรรม	<b>INDUS</b>
	29	Automotive	ยานยนต์	AUTO
	32	Industrial Materials & Machinery	วัสดุอุตสาหกรรมและเครื่องจักร	IMM
	26	Paper & Printing Materials	กระดาษและวัสดุการพิมพ์	PAPER
	4	Petrochemicals & Chemicals	ปิโตรเคมีและเคมีภัณฑ์	PETRO
	21	Packaging	บรรจุภัณฑ์	PKG
	34	Steel	เหล็ก	STEEL

<b>5</b>		<b>Property &amp; Construction</b>	<b>อสังหาริมทรัพย์และก่อสร้าง</b>	<b>PROPCON</b>
	3	Construction Materials	วัสดุก่อสร้าง	CONMAT
	25	Property Development	พัฒนาอสังหาริมทรัพย์	PROP
	33	Property Fund & REITs	กองทุนรวมอสังหาริมทรัพย์และกองทรัสต์เพื่อการลงทุนในอสังหาริมทรัพย์	PF&REIT
	35	Construction Services	บริการรับเหมาก่อสร้าง	CONS
<b>6</b>		<b>Resources</b>	<b>ทรัพยากร</b>	<b>RESOURC</b>
	9	Energy & Utilities	พลังงานและสาธารณูปโภค	ENERG
	20	Mining	เหมืองแร่	MINE
<b>7</b>		<b>Services</b>	<b>บริการ</b>	<b>SERVICE</b>
	5	Commerce	พาณิชย์	COMM
	13	Health Care Services	การแพทย์	HEALTH
	10	Media & Publishing	สื่อและสิ่งพิมพ์	MEDIA
	24	Professional Services	บริการเฉพาะกิจ	PROF
	14	Tourism & Leisure	ท่องเที่ยวและสันทนาการ	TOURISM
	28	Transportation & Logistics	ขนส่งและโลจิสติกส์	TRANS
<b>8</b>		<b>Technology</b>	<b>เทคโนโลยี</b>	<b>TECH</b>
	8	Electronic Components	ชิ้นส่วนอิเล็กทรอนิกส์	ETRON
	6	Information & Communication Technology	เทคโนโลยีสารสนเทศและการสื่อสาร	ICT

### mai Industry

The definition of mai Industry groups will be classified in 8 Industry groups same as SET. But due to the structure of the trading system, SET has to determine the Industry together with the Sector concurrently. The details of Industry ID and Sector ID are as the below table;

Industry No.	Sector No.	Industry / Sector	กลุ่มอุตสาหกรรม / หมวดธุรกิจ	Symbol
<b>56</b>		<b>Agro &amp; Food Industry</b>	เกษตรและอุตสาหกรรมอาหาร	<b>AGRO-m</b>
	64	Agro & Food Industry	เกษตรและอุตสาหกรรมอาหาร	AGRO-ms
<b>57</b>		<b>Consumer Products</b>	สินค้าอุปโภคบริโภค	<b>CONSUMP-m</b>
	65	Consumer Products	สินค้าอุปโภคบริโภค	CONSUMP-ms
<b>58</b>		<b>Financials</b>	ธุรกิจการเงิน	<b>FINCIAL-m</b>
	66	Financials	ธุรกิจการเงิน	FINCIAL-ms
<b>59</b>		<b>Industrials</b>	สินค้าอุตสาหกรรม	<b>INDUS-m</b>
	67	Industrials	สินค้าอุตสาหกรรม	INDUS-ms
<b>60</b>		<b>Property &amp; Construction</b>	อสังหาริมทรัพย์และก่อสร้าง	<b>PROPCON-m</b>
	68	Property & Construction	อสังหาริมทรัพย์และก่อสร้าง	PROPCON-ms
<b>61</b>		<b>Resources</b>	ทรัพยากร	<b>RESOURC-m</b>
	69	Resources	ทรัพยากร	RESOURC-ms
<b>62</b>		<b>Services</b>	บริการ	<b>SERVICE-m</b>
	70	Services	บริการ	SERVICE-ms
<b>63</b>		<b>Technology</b>	เทคโนโลยี	<b>TECH-m</b>
	71	Technology	เทคโนโลยี	TECH-ms

SET would ask the members a cooperation to display Industry in mai market as same as the 8 new Industry groups in mai market table above.

The details are summarized as follows:

- To display Industry name and Industry Symbol of mai market as same as SET market.
- Do not display Sector name and Sector Symbol of mai market. This is because SET has not officially classified the securities in Sector level. So, the member should not display Sector name and Sector Symbol of mai market.

Industry ID	Industry Name	Industry Symbol	Information To Be Displayed on Members' Screens/Products
56	Agro & Food Industry	AGRO-m	AGRO
57	Consumer Products	CONSUMP-m	CONSUMP
58	Financials	FINCIAL-m	FINCIAL
59	Industrials	INDUS-m	INDUS
60	Property & Construction	PROPCON-m	PROPCON
61	Resources	RESOURC-m	RESOURC
62	Services	SERVICE-m	SERVICE
63	Technology	TECH-m	TECH
Sector ID	Sector Name	Sector Index	Information to be displayed on members' screens/products
64	Agro & Food Industry	AGRO-ms	Do not display Sector information on members' screens/products
65	Consumer Products	CONSUMP-ms	
66	Financials	FINCIAL-ms	
67	Industrials	INDUS-ms	
68	Property & Construction	PROPCON-ms	
69	Resources	RESOURC-ms	
70	Services	SERVICE-ms	
71	Technology	TECH-ms	