



IIBX - API structure version (draft) 1.3.1



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Note:

- 1. The header structure provided in the document should be sent in fixed width ascii format.**
- 2. The body structure provided in the document should be pipe ('|') separated in ascii format**



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Revision History:

Sr No	Revision Date	Version	Description
1	06th Sept 2024	1.3.1	Addition of new message structure 1) Halt Market Timing Broadcast 2) Market Extend Timing broadcast:

Transaction codes:

Message type	Transaction code
Login request	7310
Login response success	7321
Login response rejection	7320
Log off request	7312
Log off response success	7326
Log off response rejection	7325
Order delta download request	7315
Order delta download rejection	7330
Order delta download start	7331
Order delta download end	7332
Trade delta download request	7317
Trade delta download rejection	7335
Trade delta download start	7336
Trade delta download end	7337
Heartbeat IML request	7318
Heartbeat IML response	7100
Order entry request	2000
Order entry ACKNOWLEDGE	2001
Order entry rejection	2231
Order entry confirmation	2073
Order modification request	2040
Order modification rejection	2042
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Stop loss notification	2212
Order cancellation request	2070
Order cancellation rejection	2072
Order cancellation confirmation	2075
Order return by exchange	9002
Trade confirmation	2222
Market picture broadcast	7208
Trades modification request	5445
Trades modification confirmation	2287
Trades modification rejection	2223
Close price broadcast	1007
Session status message	6511

Order delta download request	7315
Order delta download rejection	7330
Order delta download start	7331
Order delta download complete	7332
Trade delta download request	7317
Trade delta download rejection	7335
Trade delta download start	7336
Trade delta download complete	7337
Heart beat message	7318
Online circuit info broadcast	7353
Session status message broadcast	6511
Close Price Broadcast	1007

Login request:

Header part:

Field description	Type	Description	Default values	Mandatory
Message name	Char(40)	Type of message.	Memberlogin	Y
Transaction code	Char(10)	This field should contain transaction code	7310	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Member code	Char(10)	This field should contain Member code		Y
Loginid	Char(10)	This field should contain login id		Y
Password	Char(10)	This field should contain password		Y

Login response:

Header part:

Field description	Type	Description	Default values	Mandatory
Message name	Char(40)	Type of message	Memberlogin	Y
Transaction code	Char(10)	This field contain transaction code 7321 : success 7320 : rejection	7321 / 7320	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Membercode	Char(10)	This field contain member code		Y
Loginid	Char(10)	This field contain login id		Y
Error Code	Char(3)	Error code contain error code success / failure 0 - successful Others - failure		Y
Error message	Char(100)	If error code is zero then message would be 'valid login' otherwise error message		Y



Log off request:

Header part:

Field description	Type	Description	Default values	Mandatory
MessageName	Char(40)	Type of message	Memberlogout	Y
Transactioncode	Char(10)	This field should contain transaction code	7312	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Membercode	Char(10)	This field should contain Member code		Y
Loginid	Char(10)	This field should contain Login id		Y

Log off response:

Header part:

Field description	Type	Description	Default values	Mandatory
Messagename	Char(40)	Type of message	Memberlogout	Y
Transactioncode	Char(10)	This field contain transaction code 7326 : success / 7325 : rejection	7326 / 7325	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Membercode	Char(10)	This field contain member code		Y
Loginid	Char(10)	This field contain login id		Y
Error Code	Char(3)	Error code contain success / failure 0 – successful Others – failure		Y
Errormessage	Char(100)	If error code is zero then message would be "valid logout" otherwise error message		Y

Order delta download request:

Header part:

Field description	Type	Description	Default values	Mandatory
Messagename	Char(40)	Type of message	Orderdelta	Y
Transactioncode	Char(10)	This field should contain transaction code	7315	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Order delta date	Char(8)	Date should contain yyyyymmdd format		Y
Order entry date time	Long	Date should contain second format (see annex4.0)	0	Y

Order delta download rejection:

Header part:

Field description	Type	Description	Default values	Mandatory
Messagename	Char(40)	Type of message	Orderdelta	Y
Transactioncode	Char(10)	This field contain transaction code	7330	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Order delta date	Char(8)	Date should contain yyyyymmdd format same as request		Y
Order entry date time	Long	Date should contain second format same as request (see annex4.0)		Y
Error code	Char(3)	This field contain error code		Y
Error message	Char(100)	This field contain error message		Y

Order delta download start & complete:

Header part:

Field description	Type	Description	Default values	Mandatory
Messagename	Char(40)	Type of message	Orderdelta	Y
Transactioncode	Char(10)	This field contain transaction code 7331 : delta download start 7332 : delta download end	7331 / 7332	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Order delta date	Char(8)	Date should contain yyyyymmdd format same as request		Y
Order entry date time	Long	Date should contain second format time same as request (see annex4.0)		Y
Orderconfirmcount	Long	This field contain orders count for download		Y

Trade delta download request:

Header part:

Field description	Type	Description	Default values	Mandatory
MessageName	Char(40)	Type of message	Tradedelta	Y
Transactioncode	Char(10)	This field should contain transaction code	7317	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Trade delta date	Char(8)	Date should contain yyyyymmdd format		Y
Trade date time	Long	Date should contain second format (see annex4.0)	0	Y

Trade delta download rejection:

Header part:

Field description	Type	Description	Default values	Mandatory
Message name	Char(40)	Type of message	Tradedelta	Y
Transaction code	Char(10)	This field contain transaction code	7335	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Trade delta date	Char(8)	Date should contain yyyyymmdd format same as request		Y
Trade date time	Long	Date should contain second format same as request (see annex4.0)		Y
Error code	Char(3)	This field contain error code		Y
Error message	Char(100)	This field contain error message		Y

Trade delta download start & complete:

Header part:

Field description	Type	Description	Default values	Mandatory
Message name	Char(40)	Type of message	Tradedelta	Y
Transaction code	Char(10)	This field contain transaction code 7336 : delta download start 7337 : delta download end	7336 / 7337	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Trade delta date	Char(8)	Date should contain yyyyymmdd format same as request		Y
Trade date time	Long	Date should contain second format time same as request (see annex4.0)		Y
Trade Confirm Count	Long	This field contain trades count for download		Y

Tick By Tick (TBT) delta download request:

Header part:

Field description	Type	Description	Default values	Mandatory
MessageName	Char(40)	Type of message	TBTDelta	Y
Transactioncode	Char(10)	This field should contain transaction code	7314	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Order delta date	Char(8)	Date should contain yyyyymmdd format		Y
Order entry date time	Long	Date should contain second format (see annex4.0)	0	Y

Tick By Tick (TBT) delta download rejection:

Header part:

Field description	Type	Description	Default values	Mandatory
Message name	Char(40)	Type of message	TBTDelta	Y
Transaction code	Char(10)	This field contain transaction code	7338	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Order delta date	Char(8)	Date should contain yyyyymmdd format same as request		Y
Order entry date time	Long	Date should contain second format same as request (see annex4.0)		Y
Error code	Char(3)	This field contain error code		Y
Error message	Char(100)	This field contain error message		Y

Tick By Tick (TBT) delta download start & complete:

Header part:

Field description	Type	Description	Default values	Mandatory
Message name	Char(40)	Type of message	TBTDelta	Y
Transaction code	Char(10)	This field contain transaction code 7339 : delta download start 7341 : delta download end	7339 / 7341	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Order delta date	Char(8)	Date should contain yyyyymmdd format same as request		Y
Order entry date time	Long	Date should contain second format time same as request (see annex4.0)		Y
TBT confirm count	Long	This field contain orders count for download		Y

Tick By Tick (TBT) delta download Message Structure:

Header part:

Field description	Type	Description	Default values	Mandatory
MessageName	Char(40)	Type of message TCP DELTA : TBTDelta Broadcast : TBT	TBTDelta / TBT	Y
Transactioncode	Char(10)	This field contain transaction code	7340	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Scrip Code	Integer	Date should contain Token / Scrip code value		Y
Buy Sell Indicator	Integer	Date should contain Buy Sell Indicator 1 : Buy / 2 : Sell		Y
Price	Long	This field contain Price (multiple of 10000)		Y
Quantity / Volume	Long	This field contain Volume / Quantity		Y
Last Trade Price	Long	This field contain Last Trade Price (multiple of 10000)		Y
Last Trade Quantity	Long	This field contain Last Trade Quantity		Y

Heart beat IML request:

Header part:

Field description	Type	Description	Default values	Mandatory
MessageName	Char(40)	Type of message	IMLping	Y
Transactioncode	Char(10)	This field should contain transaction code	7318	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Membercode	Char(10)	This field should contain Member code		Y
Current date time	Long	Contain current date time (dd-mm-yyyy hh:mm:ss)		Y

Heart beat IML response:

Header part:

Field description	Type	Description	Default values
Filler0	Char(10)	This field contain blank value	
Messagename	Char(30)	This field contain default value	Tcp_IML_ping
Transaction code	Char(10)	This field contain transaction code	7100
Filler	Char(1)	This field contain blank value	
Filler	Char(10)	This field contain blank value	
Filler	Char(30)	This field contain blank value	
Filler	Char(10)	This field contain blank value	
Filler	Char(20)	This field contain blank value	
Filler	Char(2)	This field contain blank value	
Filler	Char(10)	This field contain blank value	
Filler	Char(20)	This field contain blank value	
Filler	Char(10)	This field contain blank value	
Filler	Char(1)	This field contain blank value	
Filler	Char(1)	This field contain blank value	
Filler	Char(1)	This field contain blank value	
Filler	Char(2)	This field contain blank value	
Filler	Char(1)	This field contain blank value	
Filler	Char(1)	This field contain blank value	
Filler	Char(10)	This field contain blank value	
Filler	Char(10)	This field contain blank value	
Filler	Char(10)	This field contain blank value	
Filler	Char(1)	This field contain blank value	

Body part:

Field description	Type	Description	Default values
Market inter id	Long	This field contain market segment id	7100
Message_name	Char(30)	This field contain default value	Tcp_IML_ping

Order entry request:

Header part:

Field description	Type	Description	Default values	Mandatory
Filler0	Char(10)	This field should contain default value	0	Y
Message name	Char(30)	This field should contain default value	Orders	Y
Transaction code	Char(10)	This field should contain transaction code	2000	Y
Filler1	Char(1)	This field should contain default value	2	Y
Token number	Char(10)	This field should contain token number as per security master		Y
ISIN number	Char(30)	This field contain blank value		N
Filler2	Char(10)	This field should contain blank		N
Symbol	Char(20)	This field should contain symbol as per security master		Y
Filler3	Char(2)	This field should contain blank		N
Expiry date	Char(10)	This field should contain default value	19700101	Y
Filler4	Char(20)	This field should contain blank		N
Filler5	Char(10)	This field should contain blank		N
Filler6	Char(1)	This field should contain blank		N
Market	Char(1)	This field should contain market indicator	9	Y
Segment	Char(1)	This field should contain segment indicator	8	Y
Filler7	Char(2)	This field should contain blank		N
Exchange	Char(1)	This field should contain exchange indicator	1	Y
Filler8	Char(1)	This field should contain default value	3	Y
Filler9	Char(10)	This field should contain blank		N

Filler10	Char(10)	This field should contain blank		N
Filler11	Char(10)	This field should contain default value	0	Y
Filler12	Char(1)	This field should contain default value	0	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Orderinterid	Long	This field should contain default value "0"	0	Y
Filler13	Long	This field should contain default value	0	Y
Filler14	Long	This field should contain default value	0	Y
Alpha char	Char(2)	This field should contain first two character of symbol for e.g. : abcd2018 to "ab"		Y
Transaction code	Long	This field should contain Transaction code	2000	Y
Error Code	Long	This field should contain default value	0	Y
Timestamp1	Long	This field should contain default value	0	Y
Last trade date	Long	This field should contain blank	0	Y
Filler15	Long	This field should contain default value	0	Y
Filler16	Char(10)	This field should contain blank		N
Filler17	Long	This field should contain default value	0	Y
Order number	Long	Field contain order number should be '0' for order entry request	0	Y
Order type	Long	Field contain '1' or '3' 1 : normal order, 3 : stop loss order For ioc order, order type compulsorily "normal order"	1 or 3	Y

Buy / sell	Long	Field contain '1' or '2' 1 : buy / 2 : sell	1 or 2	Y
Quantity	Long	Field contain quantity, should be greater than zero		Y
Volume remaining	Long	Field contain volume remaining, should be same as quantity (for new order request)		Y
Disclosed quantity (dq)	Long	This field should contain disclosed quantity should be equal/greater than zero and less than quantity		Y
Disclosed volume remaining	Long	This field should be equal to disclosed quantity for new order entry		Y
Filler18	Long	This field should contain default value	0	Y
Volume filled today	Long	This field should contain default value		Y
Price	Long	This field should contain price (in cents)		Y
Trigger price	Long	If order type is stoploss then trigger price is required (in cents)		Y
Order flags	Long	This field should contain flags	See Annex 2.0	Y
Broker ID	Char(10)	This field should contain member code		Y
IML login id	Long	This field should contain IML login id		Y
Filler19	Long	This field should contain blank		N
Remarks	Long	This field should contain unique identity value from CTCL terminal		Y
Order entry date time	Long	This field should contain default value (see annex4.0)	0	Y

Last modified date time	Long	This field should contain default value (see annex4.0)	0	Y
Client id	Char(25)	This field should contain client id		Y
Filler20	Long	This field should contain default value	0	Y
Filler21	Long	This field should contain default value	0	Y
Filler22	Char(1)	This field should contain blank		N
Reason code	Long	This field should contain default value	0	Y
Filler23	Long	This field should contain default value	0	Y
Filler24	Char(10)	This field should contain blank		N
Filler25	Char(1)	This field should contain blank		N
Filler26	Long	This field should contain default value	0	Y
Broker ID	Char(10)	This field should contain member code		Y
Filler27	Long	This field should contain default value	1	Y
Filler28	Long	This field should contain default value	0	Y
Client type	Long	This field should contain client type	See annex 3.0	Y
Filler29	Char(1)	This field should contain blank		N
Filler30	Char(1)	This field should contain blank		N
Filler31	Char(1)	This field should contain blank		N
Filler32	Long	This field should contain default value	0	Y
Filler33	Long	This field should contain default value	0	Y

Order message	Char(100)	This field should contain message text		Y
Filler34	Long	This field should contain default value	0	Y
Filler35	Long	This field should contain blank		N
Filler36	Long	This field should contain blank		N
Filler37	Char(10)	This field should contain blank		N
Filler38	Long	This field should contain default value	0	Y
Filler39	Long	This field should contain default value	0	Y
Filler40	Long	This field should contain default value	0	Y
Order entry date time	Char(19)	This field should contain blank		N
Filler41	Long	This field should contain blank		N
Filler42	Char(8)	This field should contain blank		N
Filler43	Long	This field should contain blank		N
Filler44	Char(8)	This field should contain blank		N
Filler45	Char(10)	This field should contain blank		N
Location id	Long	Field contain location id (16 digit)		Y
Filler46	Long	This field should contain default value	1	Y
MarketID	Char(2)	This field should contain blank		N

Order Entry Acknowledge:

Header part:

Field description	Type	Description	Default values	Mandatory
Filler0	Char(10)	This field should contain default value	0	Y
Messagenname	Char(30)	This field should contain default value	Orders	Y
Transaction code	Char(10)	This field should contain transaction code	2001	Y
Filler1	Char(1)	This field should contain default value	2	Y
Token number	Char(10)	This field should contain token number as per security master		Y
ISIN number	Char(30)	This field contain blank value		N
Filler2	Char(10)	This field should contain blank		N
Symbol	Char(20)	This field should contain symbol as per security master		Y
Filler3	Char(2)	This field should contain blank		N
Expiry date	Char(10)	This field should contain default value	19700101	Y
Filler4	Char(20)	This field should contain blank		N
Filler5	Char(10)	This field should contain blank		N
Filler6	Char(1)	This field should contain blank		N
Market	Char(1)	This field should contain market indicator	9	Y
Segment	Char(1)	This field should contain segment indicator	8	Y
Filler7	Char(2)	This field should contain blank		N
Exchange	Char(1)	This field should contain exchange indicator	1	Y
Filler8	Char(1)	This field should contain default value	3	Y
Filler9	Char(10)	This field should contain blank	0	Y

Filler10	Char(10)	This field should contain blank	0	Y
Filler11	Char(10)	This field should contain default value	0	Y
Filler12	Char(1)	This field should contain default value	0	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Orderinterid	Long	This field should contain default value "0"	0	Y
Filler13	Long	This field should contain default value	0	Y
Filler14	Long	This field should contain default value	0	Y
Alpha char	Char(2)	This field should contain first two character of symbol for e.g. : abcd2018 to "ab"		Y
Transaction code	Long	This field should contain Transaction code	2001	Y
Error Code	Long	This field should contain default value	0	Y
Timestamp1	Long	This field should contain default value	0	Y
Last trade date	Long	This field should contain blank	0	Y
Filler15	Long	This field should contain default value	0	Y
Filler16	Char(10)	This field should contain blank		N
Filler17	Long	This field should contain default value	0	Y
Order number	Long	Field contain ordernumber should be '0' for order entry request	0	Y
Order type	Long	Field contain '1' or '3' 1 : normal order, 3 : stop loss order For ioc order, order type compulsorily "normal order"	1 or 3	Y

Buy / sell	Long	Field contain '1' or '2' 1 : buy / 2 : sell	1 or 2	Y
Quantity	Long	Field contain quantity, should be greater than zero		Y
Volume remaining	Long	Field contain volume remaining, should be same as quantity (for new order request)		Y
Disclosed quantity (dq)	Long	This field should contain disclosed quantity should be equal/greater than zero and less than quantity		Y
Disclosed volume remaining	Long	This field should be equal to disclosed quantity for new order entry		Y
Filler18	Long	This field should contain default value	0	Y
Volume filled today	Long	This field should contain default value		Y
Price	Long	This field should contain price (in cents)		Y
Trigger price	Long	If order type is stoploss then trigger price is required. (in cents)		Y
Order flags	Long	This field should contain flags	See Annex 2.0	Y
Broker ID	Char(10)	This field should contain member code		Y
IML login id	Long	This field should contain IML login id		Y
Filler19	Long	This field should contain blank		N
Remarks	Long	This field should contain unique identity value from CTCL terminal		Y
Order entry date time	Long	This field should contain default value (see annex4.0)	0	Y

Last modified date time	Long	This field should contain default value (see annex4.0)	0	Y
Client id	Char(25)	This field should contain client id		Y
Filler20	Long	This field should contain default value	0	Y
Filler21	Long	This field should contain default value	0	Y
Filler22	Char(1)	This field should contain blank		N
Reason code	Long	This field should contain default value	0	Y
Filler23	Long	This field should contain default value	0	Y
Filler24	Char(10)	This field should contain blank		N
Filler25	Char(1)	This field should contain blank		N
Filler26	Long	This field should contain default value	0	Y
Broker ID	Char(10)	This field should contain member code		Y
Filler27	Long	This field should contain default value	1	Y
Filler28	Long	This field should contain default value	0	Y
Client type	Long	This field should contain client type	See annex 3.0	Y
Filler29	Char(1)	This field should contain blank		N
Filler30	Char(1)	This field should contain blank		N
Filler31	Char(1)	This field should contain blank		N
Filler32	Long	This field should contain default value	0	Y
Filler33	Long	This field should contain default value	0	Y

Order message	Char(100)	This field should contain message text		Y
Filler34	Long	This field should contain default value	0	Y
Filler35	Long	This field should contain blank		N
Filler36	Long	This field should contain blank		N
Filler37	Char(10)	This field should contain blank		N
Filler38	Long	This field should contain default value	0	Y
Filler39	Long	This field should contain default value	0	Y
Filler40	Long	This field should contain default value	0	Y
Order entry date time	Char(19)	This field should contain blank		N
Filler41	Long	This field should contain blank		N
Filler42	Char(8)	This field should contain blank		N
Filler43	Long	This field should contain blank		N
Filler44	Char(8)	This field should contain blank		N
Filler45	Char(10)	This field should contain blank		N
Location id	Long	Field contain location id (16 digit)		Y
Filler46	Long	This field should contain default value	1	Y
MarketID	Char(2)	This field should Market ID		N

Order entry confirmation:

Header part:

Field description	Type	Description	Default values	Mandatory
Filler0	Char(10)	This field contain blank value	Blank	N
Messagenname	Char(30)	This field contain default value	Orders	Y
Transaction code	Char(10)	This field contain transaction code	2073	Y
Filler1	Char(1)	This field contain default value	2	Y
Token number	Char(10)	Field contain token number as per security master		Y
ISIN number	Char(30)	This field contain blank value		N
Filler2	Char(10)	This field contain blank value		N
Symbol	Char(20)	Field contain symbol as per security master		Y
Filler3	Char(2)	This field contain default blank value		N
Expiry date	Char(10)	This field should contain default value	19700101	Y
Filler4	Char(20)	Field contain blank value		N
Filler5	Char(10)	This field contain blank value		N
Filler6	Char(1)	This field contain blank value		N
Market	Char(1)	This field contain market indicator	9	Y
Segment	Char(1)	This field contain segment indicator	8	Y
Filler7	Char(2)	This field contain blank value		N
Exchange	Char(1)	This field contain exchange indicator	1	Y
Filler8	Char(1)	This field contain default value	6	Y
Filler9	Char(10)	This field contain default value	0	Y

Filler10	Char(10)	This field contain default value	0	Y
Filler11	Char(10)	This field contain default value	0	Y
Filler12	Char(1)	This field contain default value	0	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Orderinterid	Long	Field contain internal id		Y
Filler13	Long	This field contain default value	0	Y
Filler14	Long	This field contain default value	0	Y
Alpha char	Char(2)	This field contain first two character of symbol For e.g. : abcd2018 to "ab"		Y
Transaction code	Long	This field contain transaction code	2073	Y
Error Code	Long	Error code contain success / failure 0 – successful Others – failure		Y
Timestamp1	Long	This field should contain default value	0	Y
Last trade date	Long	This field should contain blank	0	Y
Filler15	Long	This field contain default value	0	Y
Filler16	Char(10)	This field contain blank value		N
Filler17	Long	This field contain default value	0	Y
Order number	Long	Field contain order number		Y
Order type	Long	Field contain '1' or '3' 1 : normal order, 3 : stop loss order	1 or 3	Y

Buy / sell	Long	Field contain '1' or '2' 1 : buy / 2 : sell	1 or 2	Y
Quantity	Long	Field contain quantity be greater than zero		Y
Volume remaining	Long	This field contain volume remaining		Y
Disclosed quantity (dq)	Long	This field contain disclosed quantity		Y
Disclosed volume remaining	Long	This field contain disclosed volume remaining		Y
Filler18	Long	This field contain default value	0	Y
Volume filled today	Long	Field contain volume filled today if trade confirmed, else "0"	0	Y
Price	Long	This field contain price (in cents)		Y
Trigger price	Long	If order type is stoploss then trigger price is required. (in cents)		Y
Order flags	Long	This field contain flags	See annex 2.0	Y
Broker ID	Char(10)	This field contain member code		Y
IML login id	Long	This field contain IML login id		Y
Filler19	Long	This field contain blank value		N
Remarks	Long	This field contain unique identity value from CTCL terminal		Y
Order entry date time	Long	Contain order entry date time	(see annex4.0)	Y

Last modified date time	Long	This field contain default value (see annex4.0)	0	Y
Clientid	Char(25)	This field contain client id		Y
Filler20	Long	This field contain default value	0	Y
Filler21	Long	This field contain default value	0	Y
Filler22	Char(1)	This field contain blank		N
Reason code	Long	This field contain error code if order rejected, otherwise default value	0	Y
Filler23	Long	This field contain default value	0	Y
Filler24	Char(10)	This field contain blank		N
Filler25	Char(1)	This field contain blank		N
Filler26	Long	This field contain default value	0	Y
Broker ID	Char(10)	This field contain same as member code		Y
Filler27	Long	This field contain default value	1	Y
Filler28	Long	This field contain default value	0	Y
Client type	Long	Field contain client type	See annex 3.0	Y
Filler29	Char(1)	This field contain blank value		N
Filler30	Char(1)	This field contain blank value		N
Filler31	Char(1)	This field contain blank value		N

Filler32	Long	This field contain default value	0	Y
Filler33	Long	This field contain default value	0	Y
Order message	Char(100)	Field contain provided message text		Y
Filler34	Long	This field contain default value	0	Y
Filler35	Long	This field contain blank value		N
Filler36	Long	This field contain blank value		N
Filler37	Char(10)	This field contain blank value		N
Filler38	Long	This field contain default value	0	Y
Filler39	Long	This field contain default value	0	Y
Filler40	Long	This field contain default value	0	Y
Order entry date time	Char(19)	Contain order entry date time (dd-mm-yyyy hh:mm:ss)		Y
Filler41	Long	This field contain blank value		N
Filler42	Char(8)	This field contain blank value		N
Filler43	Long	This field contain default value		N
Filler44	Char(8)	This field contain blank value		N
Filler45	Char(10)	This field contain default value		N
Location id	Long	Field contain location id (16 digit)		Y
Filler46	Long	This field contain default value	1	Y
Market ID	Char(2)	This field should Market ID		N

Order entry rejection:

Header part:

Field description	Type	Description	Default values	Mandatory
Filler0	Char(10)	This field contain blank value		N
Message name	Char(30)	This field contain default value	Orders	Y
Transaction code	Char(10)	This field contain transaction code	2231	Y
Filler1	Char(1)	This field contain should be "1" or "2"	1 or 2	Y
Token number	Char(10)	This field contain token number as per security master		Y
ISIN number	Char(30)	This field contain blank value		N
Filler2	Char(10)	This field contain blank value		N
Symbol	Char(20)	This field contain symbol as per security master		Y
Filler3	Char(2)	This field contain blank value		N
Expiry date	Char(10)	This field should contain default value	19700101	Y
Filler4	Char(20)	This field contain blank value		N
Filler5	Char(10)	This field contain blank value		N

Filler6	Char(1)	This field contain blank value		N
Market	Char(1)	This field contain market	9	Y
Segment	Char(1)	This field contain segment	8	Y
Filler7	Char(2)	This field contain blank value		N
Exchange	Char(1)	This field contain exchange	1	Y
Filler8	Char(1)	This field contain default value	6	Y
Filler9	Char(10)	This field contain default value	0	Y
Filler10	Char(10)	This field contain default value	0	Y
Filler11	Char(10)	This field contain default value	0	Y
Filler12	Char(1)	This field contain default value	0	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Orderinterid	Long	Field contain internal id	0	Y
Filler13	Long	This field contain default value	0	Y
Filler14	Long	This field contain default value	0	Y
Alpha char	Char(2)	This field contain first two character of symbol for e.g. : abcd2018 to "ab"		Y
Transaction code	Long	This field contain transaction code	2231	Y
Error Code	Long	Error code contain success / failure 0 – successful Others – failure	0	Y
Timestamp1	Long	This field should contain default value	0	Y
Last trade date	Long	This field should contain blank	0	Y
Filler15	Long	This field contain default value	0	Y
Filler16	Char(10)	This field contain blank		N
Filler17	Long	This field contain default value	0	Y
Order number	Long	This field contain ordernumber which Has been rejected		Y
Order type	Long	This field contain '1' or '3' 1 : normal order, 3 : stop loss order	1 or 3	Y

Buy / sell	Long	This field contain '1' or '2' 1 : buy / 2 : sell	1 or 2	Y
Quantity	Long	This field contain quantity		Y
Volume remaining	Long	This field contain volume remaining		Y
Disclosed quantity (dq)	Long	This field contain disclosed quantity		Y
Disclosed volume remaining	Long	This field contain disclosed volume remaining		Y
Filler18	Long	This field contain default value	0	Y
Volume filled today	Long	This field contain default value	0	Y
Price	Long	This field contain price (in cents)		Y
Trigger price	Long	If order type is stop loss then trigger price is required. (in cents)		Y
Order flags	Long	This field contain flags	See Annex 2.0	Y
Broker ID	Char(10)	This field contain member code		Y
IML login id	Long	This field contain IML login id		Y
Filler19	Long	This field contain blank		N
Remarks	Long	This field contain unique identity value from CTCL terminal		Y
Order entry date time	Long	Contain order entry date time	(see annex4.0)	Y

Last modified date time	Long	This field contain default value (see annex4.0)	0	Y
Clientid	Char(25)	This field contain client id		Y
Filler20	Long	This field contain default value	0	Y
Filler21	Long	This field contain default value	0	Y
Filler22	Char(1)	This field contain blank value		N
Reason code	Long	This field contain error code if order rejected, otherwise default value		Y
Filler23	Long	This field contain default value	0	Y
Filler24	Char(10)	This field contain blank value		N
Filler25	Char(1)	This field contain blank value		N
Filler26	Long	This field contain default value	0	Y
Broker ID	Char(10)	This field contain same as member code		Y
Filler27	Long	This field contain default value	1	Y
Filler28	Long	This field contain default value	0	Y
Client type	Long	This field contain client type	See Annex 3.0	Y
Filler29	Char(1)	This field contain blank value		N

Filler30	Char(1)	This field contain blank value		N
Filler31	Char(1)	This field contain blank value		N
Filler32	Long	This field contain default value	0	Y
Filler33	Long	This field contain default value	0	Y
Order message	Char(100)	This field contain provided message text otherwise error text		Y
Filler34	Long	This field contain default value	0	Y
Filler35	Long	This field contain blank value		N
Filler36	Long	This field contain blank value		N
Filler37	Char(10)	This field contain blank value		N
Filler38	Long	This field contain default value	0	Y
Filler39	Long	This field contain default value	0	Y
Filler40	Long	This field contain default value	0	Y
Order entry date time	Char(19)	This field contain order entry date time (dd-mm-yyyy hh:mm:ss)		Y
Filler41	Long	This field contain blank value		N
Filler42	Char(8)	This field contain blank value		N
Filler43	Long	This field contain blank value		N
Filler44	Char(8)	This field contain blank value		N
Filler45	Char(10)	This field contain blank value		N
Location id	Long	This field contain location id (16 digit)		Y
Filler46	Long	This field contain default value	1	Y
Market ID	Char(2)	This field should Market ID		N

Order modification request:

Header part :

Field description	Type	Description	Default values	Mandatory
Filler0	Char(10)	This field should contain default value	0	Y
Message name	Char(30)	This field should contain default value	Orders	Y
Transaction code	Char(10)	This field should contain transaction code	2040	Y
Filler1	Char(1)	This field should contain default value	1	Y
Token number	Char(10)	This field should contain token number as per security master		Y
ISIN number	Char(30)	This field contain blank value		N
Filler2	Char(10)	This field should contain blank value		N
Symbol	Char(20)	This field should contain symbol as per security master		Y
Filler3	Char(2)	This field contain blank value		N
Expiry date	Char(10)	This field should contain default value	19700101	Y
Filler4	Char(20)	This field should contain blank value		N
Filler5	Char(10)	This field should contain blank value		N
Filler6	Char(1)	This field should contain blank value		N
Market	Char(1)	This field should contain market	9	Y
Segment	Char(1)	This field should contain segment	8	Y
Filler7	Char(2)	This field should contain blank value		N
Exchange	Char(1)	This field should contain exchange	1	Y
Filler8	Char(1)	This field should contain default value	3	Y

Filler9	Char(10)	This field should contain blank value		N
Filler10	Char(10)	This field should contain blank value		N
Filler11	Char(10)	This field should contain default value	0	Y
Filler12	Char(1)	This field should contain default value	0	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Orderinterid	Long	This field should contain default value	0	Y
Filler13	Long	This field should contain default value	0	Y
Filler14	Long	This field should contain default value	0	Y
Alpha char	Char(2)	This field should contain first two character of symbol for e.g. : abcd2018 to "ab"		Y
Transaction code	Long	This field should contain transaction code	2040	Y
Error Code	Long	This field should contain default value	0	Y
Timestamp1	Long	This field should contain default value	0	Y
Last trade date	Long	This field should contain blank	0	Y
Filler15	Long	This field should contain default value	0	Y
Filler16	Char(10)	This field should contain blank value		N
Filler17	Long	This field should contain default value	0	Y
Order number	Long	Field contain ordernumber to modify		Y

Order type	Long	Field contain '1' or '3' 1 : normal order, 3 : stop loss order	1 or 3	Y
Buy / sell	Long	Field contain '1' or '2' 1 : buy / 2 : sell	1 or 2	Y
Quantity	Long	This field should contain quantity should be greater than zero		Y
Volume remaining	Long	This field should contain volume remaining should be same as quantity		Y
Disclosed quantity (dq)	Long	This field should contain disclosed quantity should be equal/greater than zero and less than quantity		Y
Disclosed volume remaining	Long	This field should contain equal to disclosed quantity		Y
Filler18	Long	This field should contain default value	0	Y
Volume filled today	Long	This field should contain same as value return on order confirmation	0	Y
Price	Long	This field should contain price (in cents)		Y
Trigger price	Long	If order type is stoploss then trigger price is required. (in cents)		Y
Order flags	Long	This field should contain flags	See annex2.0	Y
Broker ID	Char(10)	This field should contain member code		Y
IML login id	Long	This field should contain IML login id		Y
Filler19	Long	This field should contain blank value		N
Remarks	Long	This field should contain unique identity value from CTCL terminal		Y

Order entry date time	Long	Should contain order entry date time as per order confirmation response	(see annex4.0)	Y
Last modified date time	Long	Should contain last modified date time as per order confirmation response if same order already modified (see annex4.0)	0	Y
Client id	Char(25)	This field should contain client login id		Y
Filler20	Long	This field should contain default value	0	Y
Filler21	Long	This field should contain default value	0	Y
Filler22	Char(1)	This field should contain blank value		N
Reason code	Long	This field should contain default value	0	Y
Filler23	Long	This field should contain default value	0	Y
Filler24	Char(10)	This field should contain blank value		N
Filler25	Char(1)	This field should contain blank value		N
Filler26	Long	This field should contain default value	0	Y
Broker ID	Char(10)	This field should contain same as member code		Y
Filler27	Long	This field should contain default value	1	Y
Filler28	Long	This field should contain default value	0	Y
Client type	Long	This field should contain client type	See annex 3.0	Y

Filler29	Char(1)	This field should contain blank value		N
Filler30	Char(1)	This field should contain blank value		N
Filler31	Char(1)	This field should contain blank value		N
Filler32	Long	This field should contain default value	0	Y
Filler33	Long	This field should contain default value	0	Y
Order message	Char(100)	This field should contain reason		Y
Filler34	Long	This field should contain default value	0	Y
Filler35	Long	This field should contain blank value		N
Filler36	Long	This field should contain blank value		N
Filler37	Char(10)	This field should contain blank value		N
Filler38	Long	This field should contain default value	0	Y
Filler39	Long	This field should contain default value	0	Y
Filler40	Long	This field should contain default value	0	Y
Order entry date time	Char(19)	This field should contain blank value		N
Filler41	Long	This field should contain blank value		N
Filler42	Char(8)	This field should contain blank value		N
Filler43	Long	This field should contain blank value		N
Filler44	Char(8)	This field should contain blank value		N
Filler45	Char(10)	This field should contain blank value		N
Location id	Long	This field contain location id (16 digit)		Y
Filler46	Long	This field should contain default value	1	Y
MarketID	Char(2)	This field should contain blank		N

Order modification confirmation & rejection:

Header part:

Field description	Type	Description	Default values	Mandatory
Filler0	Char(10)	This field contain blank value		N
Messagename	Char(30)	This field contain default value	Orders	Y
Transaction code	Char(10)	This field contain transaction code	2074/2042	Y
Filler1	Char(1)	This field contain default value	2	Y
Token number	Char(10)	This field contain token number as per security master		Y
ISIN number	Char(30)	This field contain blank value		N
Filler2	Char(10)	This field contain blank value		N
Symbol	Char(20)	This field contain symbol as per security master		Y
Filler3	Char(2)	This field contain blank value		N
Expiry date	Char(10)	This field should contain default value	19700101	Y
Filler4	Char(20)	This field contain blank value		N
Filler5	Char(10)	This field contain blank value		N
Filler6	Char(1)	This field contain blank value		N
Market	Char(1)	This field contain market	9	Y
Segment	Char(1)	This field contain segment	8	Y
Filler7	Char(2)	This field contain blank value		N
Exchange	Char(1)	This field contain exchange	1	Y
Filler8	Char(1)	This field contain default value	6	Y
Filler9	Char(10)	This field contain default value	0	Y

Filler10	Char(10)	This field contain default value	0	Y
Filler11	Char(10)	This field contain default value	0	Y
Filler12	Char(1)	This field contain default value	0	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Order inter id	Long	This field contain inter id		Y
Filler13	Long	This field contain default value	0	Y
Filler14	Long	This field contain default value	0	Y
Alpha char	Char(2)	This field contain first two character of symbol for e.g. : abcd2018 to "ab		Y
Transaction code	Long	This field contain transaction code	2074/2042	Y
Error Code	Long	This field contain success / failure 0 – success / others – failure	0	Y
Timestamp1	Long	This field should contain default value	0	Y
Last trade date	Long	This field should contain blank	0	Y
Filler15	Long	This field contain default value	0	Y
Filler16	Char(10)	This field contain blank		N
Filler17	Long	This field contain default value	0	Y
Order number	Long	This field contain order number		Y

Order type	Long	This field contain '1' or '3' 1 : normal order, 3 : stop loss order	1 or 3	Y
Buy / sell	Long	This field contain '1' or '2' 1 : buy / 2 : sell	1 or 2	Y
Quantity	Long	This field contain quantity		Y
Volume remaining	Long	This field contain volume remaining if trade happen for some quantity		Y
Disclosed quantity (dq)	Long	This field contain disclosed quantity		Y
Disclosed volume remaining	Long	This field contain disclosed volume remaining		Y
Filler18	Long	This field contain default value	0	Y
Volume filled today	Long	This field contain volume filled today	0	Y
Price	Long	This field contain price (in cents)		Y
Trigger price	Long	If order type is stop loss then trigger price is shown. (in cents)		Y
Order flags	Long	This field contain flags	See annex2.0	Y
Broker ID	Char(10)	This field contain member code		Y
IML login id	Long	This field contain IML login id		Y
Filler19	Long	This field contain blank		N
Remarks	Long	This field contain unique identity value from CTCL terminal		Y

Order entry date time	Long	This field contain order entry date time	(see annex4.0)	Y
Last modified date time	Long	This field contain last modified date time	(see annex4.0)	Y
Clientid	Char(25)	This field contain client login id		Y
Filler20	Long	This field contain default value	0	Y
Filler21	Long	This field contain default value	0	Y
Filler22	Char(1)	This field contain blank value		N
Reason code	Long	This field contain error code if order rejected, otherwise default value	0	Y
Filler23	Long	This field contain default value	0	Y
Filler24	Char(10)	This field contain blank		N
Filler25	Char(1)	This field contain blank		N
Filler26	Long	This field contain default value	0	Y
Broker ID	Char(10)	This field contain default value		Y
Filler27	Long	This field contain default value	1	Y
Filler28	Long	This field contain default value	0	Y
Client type	Long	This field contain client type	See annex 3.0	Y

Filler29	Char(1)	This field contain blank value		N
Filler30	Char(1)	This field contain blank value		N
Filler31	Char(1)	This field contain blank value		N
Filler32	Long	This field contain default value	0	Y
Filler33	Long	This field contain default value	0	Y
Order message	Char(100)	This field contain provided message text otherwise error text		Y
Filler34	Long	This field contain default value	0	Y
Filler35	Long	This field contain blank value		N
Filler36	Long	This field contain blank value		N
Filler37	Char(10)	This field contain blank value		N
Filler38	Long	This field contain default value	0	Y
Filler39	Long	This field contain default value	0	Y
Filler40	Long	This field contain default value	0	Y
Order entry date time	Char(19)	This field contain order entry date time (dd-mm-yyyy hh:mm:ss)		Y
Filler41	Long	This field contain blank value		N
Filler42	Char(8)	This field contain blank value		N
Filler43	Long	This field contain default value	0	N
Filler44	Char(8)	This field contain blank value		N
Filler45	Char(10)	This field contain blank value		N
Location id	Long	This field contain location id (16 digit)		Y
Filler46	Long	This field contain default value	1	Y
Market ID	Char(2)	This field should Market ID		N

Stop loss notification:

Note: - this message will generate from exchange once stop loss order get trigger

Header part:

Field description	Type	Description	Default values	Mandatory
Filler0	Char(10)	This field contain blank		N
Message name	Char(30)	This field contain default value	Trades	Y
Transaction code	Char(10)	This field contain transaction code	2212	Y
Filler1	Char(1)	This field contain default value	2	Y
Token number	Char(10)	This field contain token number as per security master		Y
ISIN number	Char(30)	This field contain blank value		N
Filler2	Char(10)	This field contain blank value		N
Symbol	Char(20)	This field contain symbol as per security master		Y
Filler3	Char(2)	This field contain blank value		N
Expiry date	Char(10)	This field should contain default value	19700101	Y
Filler4	Char(20)	This field contain blank value		N
Filler5	Char(10)	This field contain blank value		N
Filler6	Char(1)	This field contain default value	0	Y
Market	Char(1)	This field contain market	9	Y
Segment	Char(1)	This field contain segment	8	Y
Filler7	Char(2)	This field contain blank value		N
Exchange	Char(1)	This field contain exchange	1	Y

Filler8	Char(1)	This field contain default value	6	Y
Filler9	Char(10)	This field contain default value	0	Y
Filler10	Char(10)	This field contain default value	0	Y
Time	Char(10)	This field contain trade time	(see annex4.0)	Y
Filler11	Char(1)	This field contain blank value		N

Body part:

Field description	Type	Description	Default values	Mandatory
Inter id	Long	This field contain blank value		N
Filler12	Long	This field contain trade time	(see annex4.0)	Y
Time	Long	This field contain trade time	(see annex4.0)	Y
Alphachar	Char(2)	This field contain first two character of symbol for e.g. : abcd2018 to "ab"		Y
Transactioncode	Long	This field contain transaction code	2212	Y
Error Code	Long	This field contain default value	0	Y
Filler13	Long	This field contain default value	0	Y

Last trade date	Long	This field contain blank value		N
Client type	Long	This field contain client type	0	N
Number	Long	This field contain default value		N
Buy / sell	Long	Field contain '1' or '2' 1 : buy / 2 : sell	1 or 2	Y
Quantity	Long	This field contain provided quantity		Y
Price	Long	This field contain price (in cents)		Y
Ordernumber	Long	This field contain order number		Y
Broker ID	Char(10)	This field contain broker id		Y
IML login id	Long	This field contain IML login id		Y
Original quantity	Long	This field contain original quantity		Y
Original disclosed quantity	Long	This field contain original disclosed quantity		Y
Remaining quantity	Long	This field contain remaining quantity		Y

Disclosed quantity remaining	Long	This field contain disclosed quantity remaining		Y
Volume filled today	Long	This field contain volume filled today		Y
Time	Long	This field contain trade insert time	(see annex4.0)	Y
Counter order number	Long	This field contain blank value		N
Counter broker	Char(10)	This field contain blank value		N
Filler14	Long	This field contain default value	0	Y
Filler15	Long	This field contain default value	1	Y
Filler16	Char(10)	This field contain blank value		N
Filler17	Long	This field contain blank value		N
Filler18	Char(10)	This field contain blank value		N
Filler19	Long	This field contain blank value		N
Filler20	Char(10)	This field contain blank value		N
Filler21	Char(10)	This field contain blank value		N
Location id	Long	This field contain location id (16 digit)		Y
Filler22	Long	This field contain blank value		N
Filler23	Long	This field contain blank value		N
Filler24	Long	This field contain blank value		N
Old client id	Char(25)	This field contain blank value		N
Client id	Char(25)	This field contain client id		Y
Broker code	Char(10)	This field contain broker code		Y
Filler25	Char(10)	This field contain blank value		N



Filler26	Long	This field contain default value	1	Y
MarketID	Char(2)	This field should Market ID		N

Order cancellation request:

Header part:

Field description	Type	Description	Default values	Mandatory
Filler0	Char(10)	This field should contain default value	0	Y
Messagename	Char(30)	This field should contain default value	Orders	Y
Transaction code	Char(10)	This field should contain transaction code	2070	Y
Filler1	Char(1)	This field should contain default value	1	Y
Token number	Char(10)	This field should contain token number as per security master		Y
ISIN number	Char(30)	This field contain blank value		N
Filler2	Char(10)	This field should contain blank value		N
Symbol	Char(20)	This field should contain symbol as per security master		Y
Filler3	Char(2)	This field contain blank value		N
Expiry date	Char(10)	This field should contain default value	19700101	Y
Filler4	Char(20)	This field should contain blank value		N
Filler5	Char(10)	This field should contain blank value		N
Filler6	Char(1)	This field should contain blank value		N
Market	Char(1)	This field should contain market	9	Y
Segment	Char(1)	This field should contain segment	8	Y
Filler7	Char(2)	This field should contain blank value		N
Exchange	Char(1)	This field should contain exchange	1	Y
Filler8	Char(1)	This field should contain default value	3	Y
Filler9	Char(10)	This field should contain blank value		N

Filler10	Char(10)	This field should contain blank value		N
Filler11	Char(10)	This field should contain default value	0	Y
Filler12	Char(1)	This field should contain default value	0	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Orderinterid	Long	This field should contain default value	0	Y
Filler13	Long	This field should contain default value	0	Y
Filler14	Long	This field should contain default value	0	Y
Alpha char	Char(2)	This field should contain first two character of symbol for e.g. : abcd2018 to "ab"		Y
Transaction code	Long	This field should contain transaction code	2070	Y
Error Code	Long	This field should contain default value	0	Y
Timestamp1	Long	This field should contain default value	0	Y
Last trade date	Long	This field should contain blank	0	Y
Filler15	Long	This field should contain default value	0	Y
Filler16	Char(10)	This field should contain blank value		N

Filler17	Long	This field should contain default value	0	Y
Order number	Long	Field contain ordernumber to cancel		Y
Order type	Long	Field contain '1' or '3' 1 : normal order, 3 : stop loss order	1 or 3	Y
Buy / sell	Long	Field contain '1' or '2' 1 : buy / 2 : sell	1 or 2	Y
Quantity	Long	This field should contain quantity should be greater than zero		Y
Volume remaining	Long	This field should contain volume remaining		Y
Disclosed quantity (dq)	Long	This field should contain disclosed quantity should be equal/greater than zero		Y
Disclosed volume remaining	Long	This field should contain same as value return on order confirmation		Y
Filler18	Long	This field should contain default value	0	Y
Volume filled today	Long	This field should contain same as value return on order confirmation	0	Y
Price	Long	This field should contain price (in cents)		Y
Trigger price	Long	If order type is stoploss then trigger price is required. (in cents)		Y
Order flags	Long	This field should contain flags	See annex2.0	Y
Broker ID	Char(10)	This field should contain member code		Y
IML login id	Long	This field should contain IML login id		Y

Filler19	Long	This field should contain blank value		N
Remarks	Long	This field should contain unique identity value from CTCL terminal		Y
Order entry date time	Long	Contain order entry date time as per order confirmation response	(see annex4.0)	Y
Last modified date time	Long	This field should contain default value (see annex4.0)	0	Y
Clientid	Char(25)	This field should contain client login id		Y
Filler20	Long	This field should contain default value	0	Y
Filler21	Long	This field should contain default value	0	Y
Filler22	Char(1)	This field should contain blank value		N
Reason code	Long	This field should contain default value	0	Y
Filler23	Long	This field should contain default value	0	Y
Filler24	Char(10)	This field should contain blank value		N
Filler25	Char(1)	This field should contain blank value		N
Filler26	Long	This field should contain default value	0	Y
Broker ID	Char(10)	This field should contain same as member code		Y
Filler27	Long	This field should contain default value	1	Y

Filler28	Long	This field should contain default value	0	Y
Client type	Long	This field should contain client type	See annex 3.0	Y
Filler29	Char(1)	This field should contain blank value		N
Filler30	Char(1)	This field should contain blank value		N
Filler31	Char(1)	This field should contain blank value		N
Filler32	Long	This field should contain default value	0	Y
Filler33	Long	This field should contain default value	0	Y
Order message	Char(100)	This field should contain message text		Y
Filler34	Long	This field should contain default value	0	Y
Filler35	Long	This field should contain blank value		N
Filler36	Long	This field should contain blank value		N
Filler37	Char(10)	This field should contain blank value		N
Filler38	Long	This field should contain default value	0	Y
Filler39	Long	This field should contain default value	0	Y
Filler40	Long	This field should contain default value	0	Y

Order entry date time	Char(19)	This field should contain blank value		N
Filler41	Long	This field should contain blank value		N
Filler42	Char(8)	This field should contain blank value		N
Filler43	Long	This field should contain blank value		N
Filler44	Char(8)	This field should contain blank value		N
Filler45	Char(10)	This field should contain blank value		N
Location id	Long	Field contain location id (16 digit)		Y
Filler46	Long	This field should contain default value	1	Y
MarketID	Char(2)	This field should contain blank		N

Order cancellation confirmation / rejection / return:

Header part:

Field description	Type	Description	Default values	Mandatory
Filler0	Char(10)	This field contain blank value		N
Message name	Char(30)	This field contain default value	Orders	Y
Transaction code	Char(10)	This field contain transaction code	2075/2072 / 9002	Y
Filler1	Char(1)	This field contain default value	2	Y
Token number	Char(10)	This field contain token number as per security master		Y
ISIN number	Char(30)	This field contain blank value		N
Filler2	Char(10)	This field contain blank value		N
Symbol	Char(20)	This field contain symbol as per security master		Y
Filler3	Char(2)	This field contain blank value		N
Expiry date	Char(10)	This field should contain default value	19700101	Y
Filler4	Char(20)	This field contain blank value		N
Filler5	Char(10)	This field contain blank value		N
Filler6	Char(1)	This field contain blank value		N
Market	Char(1)	This field contain market	9	Y
Segment	Char(1)	This field contain segment	8	Y
Filler7	Char(2)	This field contain blank value		N
Exchange	Char(1)	This field contain exchange	1	Y
Filler8	Char(1)	This field contain default value	6	Y
Filler9	Char(10)	This field contain default value	0	Y

Filler10	Char(10)	This field contain default value	0	Y
Filler11	Char(10)	This field contain default value	0	Y
Filler12	Char(1)	This field contain default value	0	Y

Body part:

Field description	Type	Description	Default values	Mandatory
Order inter id	Long	This field contain inter id		N
Filler13	Long	This field contain default value	0	Y
Filler14	Long	This field contain default value	0	Y
Alpha char	Char(2)	This field contain first two character of symbol for e.g. : abcd2018 to "ab		Y
Transaction code	Long	This field contain transaction code	2075/2072 / 9002	Y
Error Code	Long	This field contain success / failure 0 – success Others – failure	0	Y
Timestamp1	Long	This field should contain default value	0	Y
Last trade date	Long	This field should contain blank	0	Y
Filler15	Long	This field contain default value	0	Y
Filler16	Char(10)	This field contain blank		N
Filler17	Long	This field contain default value	0	Y
Order number	Long	This field contain order number		Y
Order type	Long	This field contain '1' or '3' 1 : normal order, 3 : stop loss order	1 or 3	Y

Buy / sell	Long	This field contain '1' or '2' 1 : buy / 2 : sell	1 or 2	Y
Quantity	Long	This field contain quantity		Y
Volume remaining	Long	This field contain volume remaining if trade happen for some quantity		Y
Disclosed quantity (dq)	Long	This field contain disclosed quantity		Y
Disclosed volume remaining	Long	This field contain disclosed volume remaining		Y
Filler18	Long	This field contain default value	0	Y
Volume filled today	Long	This field contain default value	0	Y
Price	Long	This field contain price (in cents)		Y
Trigger price	Long	If order type is stop loss then trigger price is shown. (in cents)		Y
Order flags	Long	This field contain flags	See annex2.0	Y
Broker ID	Char(10)	This field contain member code		Y
IML login id	Long	This field contain IML login id		Y
Filler19	Long	This field contain blank		N
Remarks	Long	This field contain unique identity value from CTCL terminal		Y
Order entry date time	Long	This field contain order entry date time	(see annex4.0)	Y

Last modified date time	Long	This field contain default value (see annex4.0)	0	Y
Clientid	Char(25)	This field contain client login id		Y
Filler20	Long	This field contain default value	0	Y
Filler21	Long	This field contain default value	0	Y
Filler22	Char(1)	This field contain blank value		N
Reason code	Long	This field contain error code if order rejected, otherwise default value	0	Y
Filler23	Long	This field contain default value	0	Y
Filler24	Char(10)	This field contain blank		N
Filler25	Char(1)	This field contain blank		N
Filler26	Long	This field contain default value	0	Y
Broker ID	Char(10)	This field contain same as member code		Y
Filler27	Long	This field contain default value	1	Y
Filler28	Long	This field contain default value	0	Y
Client type	Long	This field contain client type	See annex 3.0	Y
Filler29	Char(1)	This field contain blank value		N
Filler30	Char(1)	This field contain blank value		N

Filler31	Char(1)	This field contain blank value		N
Filler32	Long	This field contain default value	0	Y
Filler33	Long	This field contain default value	0	Y
Order message	Char(100)	This field contain provided message text otherwise error text		Y
Filler34	Long	This field contain default value	0	Y
Filler35	Long	This field contain blank value		N
Filler36	Long	This field contain blank value		N
Filler37	Char(10)	This field contain blank value		N
Filler38	Long	This field contain default value	0	Y
Filler39	Long	This field contain default value	0	Y
Filler40	Long	This field contain default value	0	Y
Order entry date time	Char(19)	This field contain order entry date time (dd-mm-yyyy hh:mm:ss)		Y
Filler41	Long	This field contain blank value		N
Filler42	Char(8)	This field contain blank value		N
Filler43	Long	This field contain blank value		N
Filler44	Char(8)	This field contain blank value		N
Filler45	Char(10)	This field contain blank value		N
Location id	Long	This field contain location id (16 digit)		Y
Filler46	Long	This field contain default value	1	Y
Market ID	Char(2)	This field should Market ID		N

Trade confirmation:

Header part:

Field description	Type	Description	Default values	Mandatory
Filler0	Char(10)	This field contain blank value		N
Message name	Char(30)	This field contain default value	Trades	Y
Transaction code	Char(10)	This field contain transaction code	2222	Y
Filler1	Char(1)	This field contain default value	2	Y
Token number	Char(10)	This field contain token number as per security master		Y
ISIN number	Char(30)	This field contain blank value		N
Filler2	Char(10)	This field contain blank value		N
Symbol	Char(20)	This field contain symbol as per security master		Y
Filler3	Char(2)	This field contain blank value		N
Expiry date	Char(10)	This field should contain default value	19700101	Y
Filler4	Char(20)	This field contain blank value		N
Filler5	Char(10)	This field contain blank value		N
Filler6	Char(1)	This field contain default value	0	Y
Market	Char(1)	This field contain market	9	Y
Segment	Char(1)	This field contain segment	8	Y
Filler7	Char(2)	This field contain blank value		N
Exchange	Char(1)	This field contain exchange	1	Y
Filler8	Char(1)	This field contain default value	6	Y
Filler9	Char(10)	This field contain default value	0	Y

Filler10	Char(10)	This field contain default value	0	Y
Tradetime	Char(10)	This field contain trade time (date in seconds format)	(see annex4.0)	Y
Filler11	Char(1)	This field contain blank value		N

Body part:

Field description	Type	Description	Default values	Mandatory
Trade inter id	Long	This field contain blank		N
Filler12	Long	This field contain trade time (date in seconds format)	(see annex4.0)	Y
Trade time	Long	This field contain trade time (date in seconds format)	(see annex4.0)	Y
Alpha char	Char(2)	This field contain first two character of symbol for e.g. : abcd2018 to "ab"		Y
Transaction code	Long	This field contain transaction code	2222	Y
Error Code	Long	This field contain default value	0	Y
Filler13	Long	This field contain default value	0	Y
Last trade date	Long	This field should contain blank		N
Client type	Long	This field contain client type	See annex 3.0	Y
Trade number	Long	This field contain trade number		Y
Buy / sell	Long	Field contain '1' or '2' 1 : buy / 2 : sell	1 or 2	Y
Quantity	Long	This field contain traded quantity		Y
Price	Long	This field contain traded price (in cents)		Y

Order number	Long	This field contain order number		Y
Broker id	Char(10)	This field contain member code		Y
IML login id	Long	This field contain IML login id		Y
Original quantity	Long	This field contain original quantity		Y
Original disclosed quantity	Long	This field contain original disclosed quantity		Y
Remaining quantity	Long	This field contain remaining quantity		Y
Disclosed quantity remaining	Long	This field contain disclosed quantity remaining		Y
Volume filled today	Long	This field contain volume filled today		Y
Trade time	Long	This field contain trade time (date in seconds format)	(see annex4.0)	Y
Counter order number	Long	This field contain counter order number		Y
Counter broker	Char(10)	This field contain counter broker code		Y
Filler14	Long	This field contain default value	0	Y
Filler15	Long	This field contain default value	1	Y
Filler16	Char(10)	This field contain blank		N
Filler17	Long	This field contain blank		N
Filler18	Char(10)	This field contain blank		N
Filler19	Long	This field contain blank		N
Filler20	Char(10)	This field contain blank		N

Filler21	Char(10)	This field contain blank		N
Location id	Long	This field contain location id (16 digit)		Y
Filler22	Long	This field contain blank		N
Filler23	Long	This Field contain blank		N
Filler24	Long	This Field contain blank		N
Old client id	Char(25)	This Field contain blank		N
Client id	Char(25)	This field contain client id		Y
Broker code	Char(10)	This field contain broker code		Y
Filler25	Char(10)	This field contain blank		N
Filler26	Long	This field contain default value	1	Y
Market ID	Char(2)	This field should Market ID		N

Trade modification request:

HEADER PART:

Field description	type	description	default values	mandatory
filler0	char(10)	this field should contain default value	0	Y
Message name	char(30)	This field should contain default value	trades	Y
transaction code	char(10)	This field should contain transaction code	5445	Y
filler1	char(1)	this field should contain default value	1	Y
scrip code	char(10)	This field should contain scrip code as per security master		Y
ISIN number	char(30)	This field contain blank value		N
filler2	char(10)	This field should contain blank value		N
symbol	char(20)	This field should contain symbol as per security master		Y
filler3	char(2)	This field should contain blank value		N
expiry date	char(10)	This field should contain default value	19700101	Y
filler4	char(20)	This field should contain blank value		N
filler5	char(10)	This field should contain blank value		N
filler6	char(1)	This field should contain blank value		N
market	char(1)	This field should contain market	1	Y
segment	char(1)	This field should contain segment	5	Y
filler7	char(2)	This field should contain blank value		N
exchange	char(1)	This field should contain exchange	3	Y
filler8	char(1)	This field should contain default value	6	Y
filler9	char(10)	This field should contain blank value		N

filler10	char(10)	This field should contain blank value		N
filler11	char(10)	This field should contain default value	0	Y
filler12	char(1)	This field should contain default value	0	Y

Body part:

field description	type	description	default values	mandatory
Trade inter id	long	this field should contain default value	0	Y
Trade time	long	This field should contain trade time (date in seconds format)		Y
Alpha char	char(2)	This field should contain first two character of symbol for e.g. : abcd2018 to "ab"		Y
Transaction code	long	This field should contain transaction code	5445	Y
Error Code	long	This field should contain default value	0	Y
Filler13	long	This field should contain default value	0	N
Last trade date	long	This field should contain last trade date as per security master (yyyymmdd format)		Y
Client type	long	this field should contain client type	see annex 3.0	Y
trade number	long	This field should contain trade number		Y
quantity	long	This field should contain quantity should be greater than zero		Y
price	long	This field should contain price (in paise)		Y

Filler14	Long	This field should contain default value	0	Y
Filler15	Char(10)	This field should contain default value	0	Y
Filler16	Char(10)	This field should contain default value	0	Y
Filler17	Long	This field should contain blank		N
Filler18	Long	This field should contain blank		N
IML client login id	Long	This field should contain trader id		Y
buy / sell indicator	long	Field should contain '1' or '2' 1 : buy / 2 : sell	1 or 2	Y
Filler19	Char(10)	This field should contain blank		N
Buy client id	Char(25)	This field should contain buyer client id for buy trade otherwise blank		N
Sell client id	Char(25)	This field should contain seller client id for sell trade otherwise blank		N
Buy broker code	Char(10)	This field should contain buy broker code		Y
Sell broker code	Char(10)	This field should contain blank		N
Filler20	Char(10)	This field should contain default value	0	Y
Filler21	Char(10)	This field should contain default value	0	N
Filler22	Char(10)	This field should contain default value	0	Y

Filler23	Char(10)	This field should contain default value	0	N
Old client id	Char(25)	This field should contain old client id		Y
New client id	Char(25)	This field should contain new client id		Y
Filler24	Char(10)	This field should contain default value	0	Y
Broker code	char(10)	This field should contain broker code		Y
Filler25	Long	This field should contain default value	0	Y
Order number	Long	This field should contain order number to be modify trade		Y
Filler26	Char(10)	This field should contain blank		N
Filler27	Long	This field should contain default value	0	Y
Market ID	Char(2)	This field should Market ID		N

Trade Modification Rejection:

Header part:

Field description	type	Description	Default values	Mandatory
filler0	char(10)	this field contain blank		N
messagename	char(30)	this field contain default value	trades	Y
transaction code	char(10)	this field contain transaction code	2223	Y
filler1	char(1)	this field contain default value	1	Y
scrip code	char(10)	this field contain scrip code as per security master		Y
ISIN number	char(30)	This field contain blank value		N
filler2	char(10)	This field contain blank value		N
symbol	char(20)	this field contain symbol as per security master		Y
filler3	char(2)	This field contain blank value		N
expiry date	char(10)	This field should contain default value	19700101	Y
filler4	char(20)	this field contain default value	0	Y
filler5	char(10)	This field contain blank value		N
filler6	char(1)	This field contain blank value		N
market	char(1)	this field contain market	1	Y
segment	char(1)	this field contain segment	5	Y
filler7	char(2)	This field contain blank value		N
exchange	char(1)	this field contain exchange	3	Y
filler8	char(1)	this field contain default value	6	Y
filler9	char(10)	this field contain default value	0	Y

filler10	char(10)	this field contain default value	0	Y
tradetime	char(10)	this field contain blank		N
filler11	char(1)	this field contain blank		N

Body part:

Field description	Type	Description	Default values	Mandatory
trade inter id	Long	this field contain default value	0	Y
Filler12	Long	this field contain blank		N
Trade time	long	this field contain trade time (date in seconds format)	(see annex4.0)	Y
Alpha char	Char(2)	this field contain first two character of symbol for e.g. : abcd2018 to "ab"		Y
Transaction code	Long	this field contain transaction code	2223	Y
Error Code	long	this field contain error code otherwise default value	0	Y
Filler13	Long	this field contain default value	0	Y
Last trade date	Long	this field contain last trade date as per Contract master (yyyymmdd format)		Y
Client type	long	this field contain client type	see annex 3.0	Y
Trade number	Long	this field contain trade number		Y
buy / sell	long	Field contain '1' or '2' 1 : buy / 2 : sell	1 or 2	Y
Quantity	long	this field contain quantity should be greater than zero		Y

price	Long	this field contain price (in paise)		Y
Order number	Long	this field contain order number		Y
Broker ID	Char(10)	this field contain blank		N
IML login id	Long	this field contain blank		N
Original quantity	long	this field contain blank		N
Original disclosed quantity	Long	this field contain blank		N
Remaining quantity	Long	this field contain blank		N
Disclosed quantity remaining	Long	this field contain blank		N
Volume filled today	Long	this field contain blank		N
trade time	Long	this Field contain blank		N
Counter order number	Long	this field contain blank		N
Counter broker	Char(10)	this field contain blank		N
filler14	Long	this field contain blank		N
filler15	Long	this field contain default value	0	Y
Filler16	Char(10)	this field contain be blank		N
Filler17	Long	this field contain be blank		N
Filler18	Char(10)	this field contain be blank		N

Filler19	Long	this field contain be blank		N
Filler20	Char(10)	this field contain be blank		N
Filler21	Char(10)	this field contain be blank		N
Location id	Long	this field contain be blank		N
Filler22	Long	this field contain be blank		N
Filler23	Long	this field contain be blank		N
Filler24	Long	this field contain be blank		N
Old client id	Char(25)	this field contain old client id		Y
Client id	Char(25)	this field contain client id		Y
Filler25	Char(10)	this field contain be blank	0	N
Broker code	Char(10)	this field contain broker code		Y
Filler26	Long	this field contains default value	0	Y
Market ID	Char(2)	This field should Market ID		N

Trade modification confirmation:

Header part:

Field description	type	Description	Default values	Mandatory
filler0	char(10)	this field contain blank		N
Message name	char(30)	This field contain default value	trades	Y
transaction code	char(10)	This field contain transaction code	2287	Y
filler1	char(1)	this field contain default value	1	Y
scrip code	char(10)	This field contain scrip code as per security master		Y
ISIN number	char(30)	This field contain blank value		N
filler2	char(10)	This field contain blank value		N
symbol	char(20)	This field contain symbol as per security master		Y
filler3	char(2)	This field contain blank value		N
expiry date	char(10)	This field should contain default value	19700101	Y
filler4	char(20)	This field contain default value	0	Y
filler5	char(10)	This field contain blank value		N
filler6	char(1)	This field contain blank value		N
market	char(1)	This field contain market	1	Y
segment	char(1)	This field contain segment	5	Y
filler7	char(2)	This field contain blank value		N
exchange	char(1)	This field contain exchange	3	Y
filler8	char(1)	This field contain default value	6	Y
filler9	char(10)	This field contain default value	0	Y

filler10	char(10)	This field contain default value	0	Y
Trade time	char(10)	This field contain blank value		N
filler11	char(1)	This field contain blank value		N

Body part:

Field description	Type	Description	Default values	Mandatory
trade inter id	Long	This field contain default value	0	Y
Filler12	Long	This field contain blank value		N
Trade time	Long	This field contain trade time	(see annex4.0)	Y
Alpha char	Char(2)	This field contain first two character of symbol for e.g. : abcd2018 to "ab"		Y
Transaction code	Long	This Field contain Transaction code	2287	Y
Error Code	Long	This field contain default value	0	Y
Filler13	Long	This field contain default value	0	Y
Last trade date	Long	This field contain last trade date as per slb security master (yyyymmdd format)		Y
Client type	long	this field contain client type	see annex 3.0	Y

Trade number	Long	This field contain trade number		Y
buy / sell	Long	Field contain '1' or '2' 1 : buy / 2 : sell	1 or 2	Y
Quantity	Long	This field contain quantity should be greater than zero		Y
price	Long	This field contain price (in paise)		Y
Order number	Long	This field contain order number		Y
Broker ID	Char(10)	This field contain blank value		N
IML login id	Long	This field contain blank value		N
Original quantity	Long	This field contain blank value		N
Original disclosed quantity	Long	This field contain blank value		N
Remaining quantity	Long	This field contain blank value		N
Disclosed quantity remaining	Long	This field contain blank value		N
Volume filled today	Long	This field contain blank value		N
trade time	Long	This field contain blank value		N

Counter order number	Long	This field contain blank value		N
Counter broker	Char(10)	This field contain blank value		N
filler14	Long	This field contain blank value		N
Filler15	Long	This field contain id		Y
Filler16	Char(10)	This field contain blank value		N
Filler17	Long	This field contain blank value		N
Filler18	Char(10)	This field contain blank value		N
Filler19	Long	This field contain blank value		N
Filler20	Char(10)	This field contain blank value		N
Filler21	Char(10)	This field contain blank value		N
Location id	Long	This field contain blank value		N
Filler22	Long	This field contain blank value		N
Filler23	Long	This field contain blank value		N
Filler24	Long	This field contain blank value		N
Old client id	Char(25)	This field contain old client id		Y
Client id	Char(25)	This field contain client id		Y
Filler25	Char(10)	This field contain be blank	0	Y
Broker code	Char(10)	This field contain broker code		Y
Filler26	Long	This Field contains id		Y
MarketID	Char(2)	This field should Market ID		N

Market picture broadcast:

Header part:

Field description	Type	Description	Default values
Filler0	Char(10)	This field contain blank value	
Message name	Char(30)	This field contain default value	Currentmarketbyprice
Transaction code	Char(10)	This field contain transaction code	7208
Filler1	Char(1)	This field contain default value	0
Token number	Char(10)	This field contain token number as per security	
Filler2	Char(30)	This field contain blank value	
Filler3	Char(10)	This field contain blank value	
Symbol	Char(20)	This field contain symbol as per security	
Filler4	Char(2)	This field contain blank value	
Filler5	Char(10)	This field contain blank value	
Filler6	Char(20)	This field contain blank value	
Filler7	Char(10)	This field contain blank value	
Filler8	Char(1)	This field contain default value	0
Market	Char(1)	This field should contain market	9
Segment	Char(1)	This field should contain segment	8
Filler9	Char(2)	This field contain blank value	

Source	Char(1)	This field should contain source	1
Filler10	Char(1)	This field contain default value	0
Token number	Char(10)	This field should contain repeat token number as per security	
Filler11	Char(10)	This field contain d value	-1
Filler12	Char(10)	This field contain default value	0
Filler13	Char(1)	This field contain blank value	

Body part:

Field description	Type	Description	Default values
Market inter id	Long	This field contain market segment id	
Filler14	Long	This field contain default value	0
Filler15	Long	This field contains last modified date of order if order modify, otherwise it contains default value	0
Filler16	Char(10)	This field contain blank value	
Transaction code	Long	This field contain transaction code	7208
Error Code	Long	This field contain default value	0
Filler17	Long	This field contain default value	0
Filler18	Long	This field contain default value	0
Filler19	Long	This field contain default value	1
Filler20	Long	This field contain blank value	
Volume traded today	Long	This field contain volume traded today	
Last trade price	Long	This field contain last trade price (in cents)	
Net change indicator	Char(1)	This field contain net change indicator (ex- "+", "-" or blank)	

Net price change	Long	This field contain net price change (in cents) (last trade price – close price)	
Filler21	Long	This field contain default value	0
Last trade quantity	Long	This field contain last trade quantity	
Last trade time	Long	This field contain last trade time (date in seconds format)	(see annex4.0)
Average trade price	Long	This field contain average trade price (in cents)	
Best 1 buy quantity	Long	This field contain best 1 buy quantity	
Best 1 buy price	Long	This field contain best 1 buy price (in cents)	
Number of best 1 buy orders	Long	This field contain number of pending buy orders at best 1 buy price	
Best 2 buy quantity	Long	Field contain best 2 buy quantity	
Best 2 buy price	Long	Field contain best 2 buy price (in cents)	
Number of best 2 buy orders	Long	This field contain number of pending buy orders at best 2 buy price	
Best 3 buy quantity	Long	Field contain best 3 buy quantity	
Best 3 buy price	Long	Field contain best 3 buy price (in cents)	
Number of best 3 buy orders	Long	This field contain number of pending buy orders at best 3 buy price	
Best 4 buy quantity	Long	Field contain best 4 buy quantity	

Best 4 buy price	Long	Field contain best 4 buy price (in cents)	
Number of best 4 buy orders	Long	This field contain number of pending buy orders at best 4 buy price	
Best 5 buy quantity	Long	Field contain best 5 buy quantity	
Best 5 buy price	Long	Field contain best 5 buy price (in cents)	
Number of best 5 buy orders	Long	This field contain number of pending buy orders at best 5 buy price	
Best 1 sell quantity	Long	Field contain best 1 sell quantity	
Best 1 sell price	Long	Field contain best 1 sell price (in cents)	
Number of best 1 sell orders	Long	This field contain number of pending sell orders at best 1 sell price	
Best 2 sell quantity	Long	Field contain best 2 sell quantity	
Best 2 sell price	Long	Field contain best 2 sell price (in cents)	
Number of best 2 sell orders	Long	This field contain number of pending sell orders at best 2 sell price	
Best 3 sell quantity	Long	Field contain best 3 sell quantity	
Best 3 sell price	Long	Field contain best 3 sell price (in cents)	
Number of best 3 sell orders	Long	This field contain number of pending sell orders at best 3 sell price	
Best 4 sell quantity	Long	Field contain best 4 sell quantity	
Best 4 sell price	Long	Field contain best 4 sell price (in cents)	
Number of best 4 sell orders	Long	This field contain number of pending sell orders at best 4 sell price	
Best 5 sell quantity	Long	Field contain best 5 sell quantity	
Best 5 sell price	Long	Field contain best 5 sell price (in cents)	

Number of best 5 sell orders	Long	This field contain number of pending sell orders at best 5 sell price	
Total buy quantity	Long	Field contain total buy quantity	
Total sell quantity	Long	Field contain total sell quantity	
Close price	Long	This field contain close price (in cents)	
Open price	Long	This field contain open price (in cents)	
High price	Long	This field contain high price (in cents)	
Low price	Long	This field contain low price (in cents)	
Value traded today	Long	This field contain value traded today	
Number of trades today	Long	This field contain number of trades today	
Upper circuit	Long	This field contain upper circuit (in cents)	
Lower circuit	Long	This field contain lower circuit (in cents)	
Filler22	Long	This field contain default value	0
Filler23	Char(19)	This field contain default value	
Filler24	Long	This field contain default value	0
Filler25	Char(19)	This field contain default value	
Filler26	Long	This field contain default value	0
Filler27	Char(10)	This field should contain blank	
Symbol	Char(20)	This field contain symbol	
Filler28	Char(10)	This field should contain blank	
Filler29	Long	This field contain default value	1
Market ID	Char(2)	This field contain Market ID	

Broadcast message structure:

1. Online circuit info broadcast:

Header part:

Field description	Type	Description	Default values
Message name	Char(40)	Type of message	Onlinecircuitinfo
Transaction code	Char(10)	This field contain transaction code	7353

Body part:

Field description	Type	Description	Default values
Token number	Char(10)	This field contain token number as per security master	
Circuit value	Long	Contain circuit value (in cents)	
Circuit flag	Char(1)	This field contain circuit value lower / upper of underlying token number L – lower circuit / u – upper circuit	U or l

2. Halt Market Timing Broadcast:

Header part:

Field description	Type	Description	Default values
Message name	Char(40)	Type of message	HALTMARKETTIMING
Transaction code	Char(10)	This field contain transaction code	1019

Body part:

Field description	Type	Description	Default values
Halt Start Time	Char(23)	This field contain Halt Start Time	
Halt End Time	Char(23)	This field contain Halt Start Time	

E.g. :

“ HALTMARKETTIMING 1019 2024-08-16 18:10:00.0|2024-08-16 18:40:00.0”

3. Market Extend Timing broadcast:

Header part:

Field description	Type	Description	Default values
Message name	Char(40)	Type of message	MarketExtend
Transaction code	Char(10)	This field contain transaction code	1016

Body part:

Field description	Type	Description	Default values
Market Extend Time in Minutes	Char(2)	This field contain Market Extend Time in Minutes	
Market Type	Char(1)	This field contains Market Type	0

E. g. :

“ MarketExtend 1016 15|0”

4. Session status message broadcast:

Header part:

Field description	Type	Description	Default values
Filler0	Char(10)	This field should contain blank	
Message name	Char(30)	This field contain default value	Status
Transaction code	Char(10)	This field contain transaction code	6511
Filler1	Char(1)	This field contain default value	1
Filler2	Char(10)	This field should contain blank	
Filler3	Char(30)	This field should contain blank	
Filler4	Char(10)	This field should contain blank	
Filler5	Char(20)	This field should contain blank	
Filler6	Char(2)	This field should contain blank	
Filler7	Char(10)	This field should contain blank	
Filler8	Char(20)	This field should contain blank	
Filler9	Char(10)	This field should contain blank	
Filler10	Char(1)	This field contain default value	1
Filler11	Char(1)	This field contain market	9
Filler12	Char(1)	This field should contain blank	
Filler13	Char(2)	This field should contain blank	
Exchange	Char(1)	This field contain exchange	1
Filler14	Char(1)	This field contain default value	1

Filler15	Char(10)	This field should contain blank	
Filler16	Char(10)	This field contain default value	0
Filler17	Char(10)	This field contain default value	0
Filler18	Char(1)	This field should contain blank	

Body part:

Field description	Type	Description	Default values
Filler19	Long	This field contain default value	0
Sessionid	Long	This field contain session id	(see annex 7.0)
Session execution time	Long	This field contain session execution time (date in seconds Format)	(see annex4.0)
Filler20	Char	This field should contain blank	
Transaction code	Long	This field contain transaction code	6511
Filler21	Long	This field contain default value	0
Filler22	Long	This field contain default value	0
Filler23	Long	This field contain default value	0
Filler24	Long	This field contain default value	0
Filler25	Char	This field should contain blank	

Filler26	Long	This field contain default value	0
Filler27	Long	This field contain default value	0
Session message type	Char(100)	This field contain message of session executed	
Filler28	Long	This field contain default value	0
Filler29	Char	This field should contain blank	
Filler30	Char	This field should contain blank	
Filler31	Char	This field should contain blank	
Filler32	Char	This field should contain blank	
Filler33	Char	This field should contain blank	
Filler34	Char	This field should contain blank	
Filler35	Char	This field should contain blank	
Filler36	Long	This field contain default value	0
Filler37	Long	This field contain default value	0
Filler38	Long	This field contain default value	0
Filler39	Char(10)	This field contain default value	0

Annexure 1.0 (flag values)

Sr. No.	Order type	Transaction code	Flag
1	Normal order		
	Order entry request	2000	2048
	Order entry confirmation	2073	2048
	Order modification request	2040	2064
	Order modification confirmation	2074	2064
	Order cancellation request	2070	2064
	Order cancellation confirmation	2075	2064
2	Ioc orders		
	Order entry request	2000	512
	Order entry confirmation	2073	512
	Order modification request	2040	512
	Order modification confirmation	2074	512
	Order cancellation request	2070	512
	Order cancellation confirmation	2075	512
3	Stop loss orders		
	Order entry request	2000	10240
	Order entry confirmation	2073	10240
	Order modification request	2040	10256
	Order modification confirmation	2074	10256
	Order cancellation request	2070	10256
	Order cancellation confirmation	2075	10256
4	Full Or Kill (FOK)		
	Order entry request	2000	10
	Order entry confirmation	2073	10
	Order modification request	2040	10
	Order modification confirmation	2074	10



Annexure 2.0 (client type):

Client type	Buy side	Sell side
Own	20	20
Client	30	30

Annexure 3.0 (guidelines)

1. Time fields contain second's value from midnight january 1 1980.
2. All price fields are in 4 decimal (multiple of 10000) (Orders and Trades).
3. All price fields are in 8 decimal (multiple of 100000000) (Only Market Picture Message : 7208 Only).
4. All quantity field are to be filled as lots.
5. Orders can be push as market orders with specify 0 in price field.
6. Conversion of stop loss order into limit/market order and vice versa, can be done via flag change as per annexure 2.0 and trigger price as per order request message structure.
7. All orders will be (except ioc) treated as end of session orders
8. All pending orders will be return in session close calculate session
9. Successful response of order delta request will keep 3 types of messages. First order delta start with 7331 transaction code second order confirmation messages with 2073 transaction code and last delta complete message with 7332 transaction code
10. Successful response of trade delta request will keep 3 types of messages. First trade delta starts with 7336 transaction code second trade confirmation messages with 2222 transaction code and last delta complete message with 7337 transaction code
11. Normal session warn will triggered before 1 min of normal session close
12. Location code description
First 6 digits are pin code, next 4 digits are tws / branch id, next 3 digits are user id, next 1 digit is program trading and next 2 digits are vendor code.
13. In close price session, first all end of session orders will be return then close price message will be broadcast



Annexure 4.0 (security master structure)

File name: security_yyyymmdd file

Format: comma separated values (csv)

File name	Trading session	File type	Available
Security_yyyymmdd	End of day	Txt (separated)	Extranet / website

Sr no	Field name	Length	Description
1	Security code	Long	For eg. 1200001,
2	Exchange-code	Char [4]	The exchange identifier possible values -iibx
3	Security id	Char [11]	Identifier for the security (in alpha characters) for eg. Gold999, gold995
4	Security name	Char [30]	The full name of the security for eg. Gold-kg-999-purity
5	Filler	Char [19]	Filler
6	Instrument type	Char [1]	S for spot trading
7	Settlement type	Char [2]	The settlement type of the security - for eg. T0,t2
8	Security type	Char [1]	The type of the security : demat –d
9	Multiplier	Long long	The multiplier will be mentioned here. E.g. For 32.150709, the value shall be 32150709

10	Market lot	Long long	The lot size of the security
11	Tick size	Float (5,4)	Tick size of the security eg 0.0005
12	Filler	Char [1]	Filler
13	Status	Char [1]	The trading status of the security possible values active - a suspend - s inactive – i
14	Single order min lot	Char [10]	Minimum lot which can be traded - single order level
15	Single order max lot	Char [10]	Maximum lot which can be traded - single order level
16	Filler	Char [10]	Filler
17	Filler	Char [6]	Filler
18	ISIN code	Char [19]	ISIN code for the security
19	Quotation qty	Short	Quantity for which price is quoted.
20	Quotation unit	Char [10]	Unit in which underlying asset is quoted.
21	Delivery weight	Char [10]	Delivery weight
22	Delivery unit	Char [10]	Delivery unit
23	Filler	Char [10]	Filler
24	Filler	Short	Filler
25	Filler	Char [10]	Filler
26	Filler	Short	Filler

Annexure 5.0 (DP file structure)

File name: iibx_dp_yyyymmdd

Format: comma separated values (csv)

File name	Trading session	File type	Available
Iibx_dp_yyyymmdd	End of day	Csv	Extranet / website

Field No.	Field name	Field description	Field size
1	Security code/ token number	Security code/ token number e.g. : 1200002 for Gold16novfut	Int
2	Precision	No of decimal places. Default value to be '4'	Char(1)
3	Previous close price	Close price of security of trading day. E.g. In basis points. For close price of 1.5025, the value shall be 15025	Int
4	Lower circuit (%)	Lower circuit limit of security in % in percentage (absolute value, not in decimal) e.g. : 20	Int
5	Upper circuit (%)	Upper circuit limit of security in % in percentage (absolute value, not in decimal) e.g. : 20	Int
6	Lower circuit price	Lower circuit limit of security in absolute value. E.g. In basis points. For close price of 1.5025, the value shall be 15025	Int
7	Upper circuit price	Upper circuit limit of security in absolute value. E.g. In basis points. For close price of 1.5025, the value shall be 15025	Int
8	Filler	-	Int
9	Filler	-	Int
10	Filler	-	Char (9)
11	Filler	-	Char (9)
12	Filler	-	Char (9)
13	Filler	-	Char(1)
14	Filler	-	Char(4)
15	Filler	-	Int
16	Filler	-	Int
17	Instrument id	In case of a normal security, security token number shall be displayed.	Large int

Annexure 6.0 (session id)

Session id	Session name
21	T0 continuous trading started
22	T0 continuous trading will close in 1 minute
23	T0 continuous trading closed
24	T0 continuous trading closing calculate session
61	T2 continuous trading start
62	T2 continuous trading close in 1 minute
63	T2 continuous trading close
64	T2 continuous closing calculate session

Revision history

Sr. No.	Date	Description
1	2 nd Sep, 2021	Base version (version 1.0)



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