

SAIL User Sequence ID Change


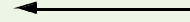
TO: BOX Options Participants
FROM: BOX Market Operations Center
SUBJECT: SAIL User Sequence ID Change
DATE: December 13, 2023

Overview


The SAIL Protocol currently supports a maximum **User Sequence ID** of 99,999,999 per connection. When this maximum is reached, a SAIL Participant is automatically disconnected and is no longer able to send in any new messages over the connection.

In order to address this limitation, beginning **January 8 2024**, BOX Options Market LLC (“BOX”) will enhance the User Sequence ID by **requiring the Participant reset their User Sequence ID back to 0 (zero) after the limit of 99, 999,999 is reached**, and then increment by 1 for each new business message sent to BOX. The roll-over to the new User Sequence ID will maintain the current connection and allow Participants to continue to send messages to BOX past the current limit of 99,999,999.

The roll-over process is as follows:

ID	SAIL PARTICIPANT		BOX SAIL FRONT END
1.	1st time connection TC (Technical Connection) - Session ID set to ‘blank’,		
2.			TK (Technical Connection Ack) - Current Session ID = 0000 (system-generated) - Last User Sequence ID received = ‘blank’

3.	Business Message For the first business message, User Sequence ID must be set to 00000001	→	
4.		←	Business Message Ack - User Sequence ID = 00000001
5.		
6.	Business Message - User Sequence ID = 99999999	→	
7.		←	Business Message Ack - User Sequence ID = 99999999
FIRST ROLL-OVER			
8.	Business Message - User Sequence ID = 00000000 After 99999999, SAIL Participant is required to <u>reset</u> his User Sequence ID to 00000000	→	SAIL connection is be maintained and Participants is allowed to roll-over their User Sequence ID without having to send a new connection message.
9.		←	Business Message Ack User Sequence ID = 00000000 (Session ID will be increment to 0001)
10.	Business Message - User Sequence ID = 00000001	→	
11.		←	Business Message Ack - User Sequence ID = 00000001
12.		
13.	Business Message - User Sequence ID = 99999999	→	
14.		←	Business Message Ack - User Sequence ID = 99999999
SECOND ROLL-OVER			
	Business Message - User Sequence ID = 00000000 (same as 1 st roll-over above) After 99999999 SAIL Participant is required to <u>reset</u> their User Sequence ID to 00000000	→	SAIL Connection is be maintained and Participants are allowed to roll-over their User Sequence ID without having to send a new connection message
15.		←	Business Message Ack - User Sequence ID = 00000000 (Session ID will be incremented to 0002)
16.	Business Message - User Sequence ID = 00000001	→	

17.			Business Message Ack <ul style="list-style-type: none">• User Sequence ID = 00000001 (Last User Sequence ID received)
18.	Subsequent ROLL-OVER will follow the same process		

Contact

Please contact the Market Operations Center at (866) 768-8845 or by e-mail at BOXMOC@boxoptions.com should you require additional information.