



**BOX**<sup>SM</sup>  
O P T I O N S

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Informational Circular

IC-2021-05

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**TO: BOX Options Participants**  
**FROM: BOX Market Operations Center**  
**SUBJECT: HSVF Message Modifications**  
**DATE: February 11, 2021**

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Effective **February 16, 2021** the following modifications have been made to the BOX High Speed Vendor Feed ("HSVF"). The full HSVF Specification Guides can be found on the BOX website:

- [HSVF-BX-001E BOX SOLA HSVF Unicast Specifications Guide v4.5.pdf](#)
- [HSVF-BX-002E BOX SOLA HSVF Multicast Specifications Guide v1.5.pdf](#)

### Sequence Number Reset

All messages within the HSVF are assigned a Sequence Number starting at '000000001' each day, incremented by 1 for each message sent. The Sequence Number supports 9 digits and will range from 000000001 to 999999999 (ASCII Decimal). If there are more than one billion messages per day, the Sequence Number will reset to 000000000 and increment by 1 for each new message sent.

### Gap Message Sequence (refer to Message Type 'W' in above HSVF Unicast Specifications)

Participants using Unicast and subscribed to the Gap message (W) will receive a smaller Gap Message Sequence when the billion-message Sequence Number is passed per day. This will occur since the HSVF Sequence Number will reset to 0, and consequently so will the Gap Message Sequence for messages past the billion-message sequence.

### Retransmission

When requesting a retransmission of messages, the following will happen depending on the number of messages sent per day:

- If the total Sequence Number is less than 999999999 for the day, a retransmission request will return all messages from that start Sequence Number to the current Sequence Number in that day.
- If the total Sequence Number is more than one billion messages for the day, a retransmission request for a start Sequence Number less than 999999999 will result in a retransmission from that start Sequence Number up to 999999999, roll-over to 000000000, and continue to the current Sequence Number.
- If the total Sequence Number is more than one billion messages for the day, a retransmission request for a start Sequence Number more than 999999999 will result in a retransmission from 999999999, roll-over to 000000000, and continue to the current Sequence Number.

### **Strategy Month Code**

The strategy month code in the JS (Complex Order Instrument) message has been modified and will follow a new logic defined in the HSVF Specification Guides above (refer to section "Complex Order Instrument (Strategy) month code").

### **Contacts**

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