



CQS Snapshot is a new recovery service which CQS Data Subscribers can use in addition to the currently offered Retransmissions gap-fill service.

User Requirements

1. **Are CQS Subscribers required to utilize the new Snapshot Service?**
 - No, CQS Subscriber utilization of the Snapshot service is optional.
2. **Are current CQS Retransmission Subscribers required to submit new Cert and Production connectivity request forms?**
 - No, since both Retransmissions and Snapshot use the same input request lines, existing CQS Retransmission Subscribers DO NOT have to submit new connectivity request forms.
 - New Retransmissions/Snapshot Subscribers DO have to submit new connectivity request forms, which can be found at <https://www.ctaplan.com/tech-specs>.

Functionality

3. **What messages are available on CQS Snapshot?**
 - Snapshot messages which include new message formats will contain the following Symbol State and Quote information:
 - Currently Halted / Limit Up-Limit Down (LULD) trading paused securities
 - Short Sale Restrictions for eligible securities
 - Auction Collar information for securities that are currently in a LULD pause state
 - Latest LULD Price Bands for eligible securities
 - Market Wide Circuit Breaker (MWCB) Level messages
 - Latest Quote from each Participant and latest FINRA BBO
 - National Best Bid and Offer (NBBO)
 - Security Symbol information such as Primary Listing Market Participant ID and Financial Status Indicator for eligible securities
 - **Last Sale and other trade related information will not be available**
4. **Will CQS Snapshot have new separate multicast addressing?**
 - Yes, CQS Snapshot has separate multicast addressing. Please refer to Common IP Multicast Distribution Network Specification at: <https://www.ctaplan.com/tech-specs>.



Testing and Service Availability

5. When will testing be available?

- Testing will be available beginning January 31, 2022, in the Cert environment.
- Production testing will only be available during Saturday industry tests (*no testing will be available on weeknights*). Three Saturday test dates will be available:
 - Cert Testing: Monday, January 31, 2022 through March 18, 2022
 - Functional Testing: Saturday, February 26, 2022
 - Non-Functional Testing: Saturday, March 5, 2022
 - Confidence Test: Saturday, March 19, 2022
 - **CQS Snapshot Service Live: Monday, March 21, 2022**

Fallback

6. How will fallback take place?

- Since CQS Snapshot is a new service fallback is not applicable. In the event of a problem, requests for CQS Snapshot will not be available until such time as the service can be restored.

Documentation

7. All documentation can be found at: <https://www.ctaplan.com/tech-specs>

- CQS Snapshot Service Specification
- Retransmission and Snapshot User Guide
- CTA Subscriber Procedure to Connect to Retransmission and Snapshot
- Common IP Multicast Distribution Network Specification