



OPTIONS PRICE REPORTING AUTHORITY (OPRA)
DISASTER RECOVERY DATA CENTER ACTIVATION
FAQs

1. **What is the purpose of the new Disaster Recovery Data Center Activation Control message?**
 - The purpose of the new Disaster Recovery Data Center Activation Control message is to inform Data Recipients that the SIAC SIP is operating OPRA from the Disaster Recovery Data Center site due to a problem experienced at the Primary Data Center site.

2. **Do I have to make system changes to handle the new Disaster Recovery Data Center Activation Control message?**
 - This is an informational message. It is at the discretion of each multicast Data Recipient to determine if system changes are required. A Data Recipient can elect to process the new Disaster Recovery Data Center Activation Control message, or ignore the new Control message.

3. **Will the new Disaster Recovery Data Center Activation Control message be the only way I know that the SIAC SIP is operating out of the Disaster Recovery Data Center site?**
 - No; in addition to the new Disaster Recovery Data Center Activation Control message, all data transmitted from the Disaster Recovery Data Center site will contain different Source IP Addresses from the those disseminated from the Primary Data Center site. All possible Source IP Addresses are contained within the Common IP Multicast Distribution specification under Appendix C – Disaster Recovery Data Center Source Addresses located at the following link: <http://www.opradata.com>, select “Output Specs Binary”.

4. **Should the Disaster Recovery Data Recovery Data Center Source Addresses used during the week night testing window be mapped to the Production Multicast Lines?**
 - No, all multicast Data Recipients are required to have all OPRA Disaster Recovery source addresses as well as the primary data center source addresses in their network to ensure that no data loss is experienced during a system event.

5. **Will we receive a Service Desk notification stating that a switchover to the Disaster Recovery Data Center site is taking place?**
 - Yes, the Service Desk will issue the standard OPRA notification of a system event.

6. **Will we receive a Service Desk notification when processing will be resumed from the Primary Data Center site?**
 - No, once a switchover of traffic occurs, the Source IP Addresses will identify data is being disseminated from the Primary Data Center site.

7. **At what time of day can an intraday switchover occur?**
 - A switchover can occur at any time of the trading day. The new Disaster Recovery Data Center Activation Control message will be disseminated once to inform Data Recipients of the switchover event.



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FAQ's (continued)

8. **Will OPRA Multicast IP Addresses change after the switchover event?**
 - There will be no changes to the OPRA Multicast IP Addresses after the switchover event.

9. **Will I see a gap in messages when the switchover to the backup data center takes place?**
 - Yes, every Data Recipient will see a gap on all multicast lines. The existing Reset Block Sequence Number (BSN) Control message (Category H Type K) resetting the multicast line block sequence number to a number higher than the highest BSN previously transmitted will be generated preceding the new Disaster Recovery Data Center Activation Control message.

10. **When a decision is made to switchover to the Disaster Recovery Data Center site will OPRA be switched over?**
 - It depends on the issue at hand. The decision to switchover OPRA will be made on a case by case basis, e.g., a system can be switched over due to software issues encountered thus only the affected system would be switched over. In the event that the Primary Data Center site is unavailable for either system (e.g., complete power failure), processing of OPRA would be switched over to the Disaster Recovery Data Center site.

11. **Once OPRA is switched over to the Disaster Recovery Data Center site occurs, will an intraday switchover back to the Primary Data Center site occur?**
 - No, once a switchover occurs, processing will be supported for the remainder of the trading day from the Disaster Recovery Data Center site.

12. **In the event of a switchover to the Disaster Recovery Data Center site, what additional messages can I expect besides the Disaster Recovery Data Center Activation and Reset Message Sequence Number Control messages?**
 - OPRA, on behalf of all Participants will disseminate zero quotes for all option series that are disseminated as part of the daily Open Interest data.



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- 13. Once a switchover occurs, on the next trading day will processing occur from the Primary or the Disaster Recovery Data Center Site?**
- After a switchover event, on the next trading day processing can occur from either site and is dependent



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14. Will retransmissions be supported from the Disaster Recovery Data Center site?

- Yes, Data Recipients will be required to connect to Autolink at the Disaster Recovery Data Center site. Reference the latest specifications: Automated Retransmission at the following link: <http://www.opradata.com>, select “Output Specs Binary”.



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FAQ's (continued)

15. Where can I access the latest OPRA Multicast Output Specifications?

- Reference the latest specifications: OPRA Output Multicast Specification and Common IP Multicast Distribution Network Specifications at the following link:
<http://www.opradata.com>, select "Output Specs Binary".

16. Who do I contact if I have a question?

- If you have any OPRA questions, please send an email to CQS-CTS-OPRA@siac.com, or contact the Service Desk at 866-873-7422.