



To: All Members, warehouse companies and their London agents and other interested parties

Ref: 24/221 (LME Notice Reference)  
24-020 (LME Clear Circular Reference)

Classification: Technical

Date: 09 August 2024

Subject: **LME AND LME CLEAR SYSTEMS DATA CENTRE FAILOVER TEST AND SITE CHANGEOVER SCHEDULE**

## Summary

1. This notice (the “**Notice**”) advises members and other market participants of the planned Data Centre (“DC”) Failover test and site changeover of LME and LME Clear production services, scheduled for 7 September 2024.

## Background

2. The London Metal Exchange (“LME”) is scheduling a failover test and changeover of LME and LME Clear production services from the secondary data centre (“DC 2”) to the primary data centre (“DC 1”) on **Saturday 7 September 2024**.

## Data Centre Failover and Connectivity Test

3. On the scheduled date, production services will be made available for participants to complete connectivity tests in the respective data centre (DC 1) as outlined in section 7. Following the tests, the services will remain as production service at DC 1 until further notice.
4. Participants should ensure that they have connectivity to both data centres provisioned within their LAN (e.g. appropriate routing/firewall rules) and can connect to both data centres. For the avoidance of doubt, participants using the LME Domain Name Service (DNS) and utilising the Fully Qualified Domain Name (FQDN) do not need to make any changes providing firewall permissions allow for access to both data centres.
5. Members and market participants should utilise their CDC/LMEnet connections to access LME systems and test their services during the connectivity test window.
6. As highlighted in LME Notice 23/084, the LME is considering in future, moving to an approach where all production services are periodically run from DC 2. The LME will engage further with market participants in this regard in due course.



## Schedule

7. The DC failover test and changeover schedule is as follows:

### 7.1 Saturday, 7 September 2024

System	Data Centre switch	Connectivity Test Window	Test Window	Test Support Contact Details
LMEselect	DC 2 – DC 1	Yes	16:00 until 18:00 (UK time)	<a href="mailto:itservicedesk@lme.com">itservicedesk@lme.com</a>
LMEselectMD	DC 2 – DC 1	Yes		
LMEsource	DC 2 – DC 1	Yes		
LMEsmart	DC 2 – DC 1	Yes		
LMEsword	DC 2 – DC 1	Yes		
LME – SFTP	DC 2 – DC 1	Yes		
LMEclear – SFTP	DC 2 – DC 1	Yes		
LME – SFTP (Public)	DC 2 – DC 1	Yes		
LME SFTP (UDG)	DC 2 – DC 1	Yes		
LMEprism (GUI and SFTP)	DC 2 – DC 1	Yes		
LMEtrader	DC 2 – DC 1	No	see para 11	N/A
LMEmercury	DC 2 – DC 1	No	see para 16	
LMEbullion	DC 2 – DC 1	No	see para 17	

## Trading platform Failover Test Schedule

8. Prior to the failover test on **Saturday 7 September 2024**, the **LMEselect**, **LMEselectMD** and **LMEsource** production services, currently running from DC 1 will be switched to DC 2 ready to test failover from DC2 to DC1 with **no** connectivity test required in DC 2.
9. The LMEselect, LMEselectMD and LMEsource will be switched back to DC 1 on **Saturday 7 September 2024**, and a two hour connectivity test window from 16:00 until 18:00 (UK time) will be provided for all participants to connect to DC 1 to test their connectivity in readiness for start of trading on Monday 9 September 2024. More details on activities permitted and expected behaviour during connectivity test window are available in Appendix 2 of this Notice.
10. The connectivity test window will be supported by the LME technical teams who will be on hand to assist during the testing process. For questions or issues during the failover test please email [itservicedesk@lme.com](mailto:itservicedesk@lme.com).
11. No connectivity testing will be taking place for **LMEtrader** GUI. In the event of any connectivity issues on Monday 9 September 2024, participants need to contact LME Trading Operations team at [tradingoperations@lme.com](mailto:tradingoperations@lme.com).
12. The LME requires all members to participate in the testing of LMEselect, LMEselectMD and LMEsource. This is to prove members' ability to connect to these systems and related application services when running in single Data Centre configuration. Failure to test may leave LMEselect, LMEselectMD and LMEsource at risk of not being able to be utilised in the unlikely event of a data centre failover event.
13. Non-member market participants of LMEselect, LMEselectMD and LMEsource are also strongly encouraged to partake in this scheduled failover test.



## Primary Location Switch Connectivity Test Schedule

14. On **Saturday 7 September 2024** from 16:00 until 18:00 (UK time), a two hour connectivity test window will be provided for participants to connect to **LMEsmart, LMEsword, LME – SFTP, LMEclear – SFTP, LME – SFTP (Public), LME SFTP (UDG)** and **LMEprism** services in DC 1 as outlined in section 7. More details on the activities permitted and expected behaviour during connectivity test window are available in Appendix 2 of this Notice.
15. The connectivity test window will be supported by the LME technical teams who will be on hand to assist during the testing process. For questions or issues during the failover test please email [itservicedesk@lme.com](mailto:itservicedesk@lme.com).
16. No connectivity testing will be taking place for **LMEmercury**. The LMEmercury application will be changed over in readiness for start of business Monday 9 September 2024. In the event of any connectivity issues on Monday, participants need to contact LME Clear Operations team at [lmeclar.operations@lme.com](mailto:lmeclar.operations@lme.com).
17. No connectivity testing will be taking place for **LMEbullion**. The LMEbullion application will be changed over in readiness for start of business Monday 9 September 2024. In the event of any connectivity issues on Monday, participants need to contact LME Benchmark Pricing team at [Benchmark.Pricing.Function@lme.com](mailto:Benchmark.Pricing.Function@lme.com).
18. It is strongly recommended that all participants using above LME and LME Clear services participate in the data centre failover test weekend to ensure readiness for live service on the following Monday.

## Connectivity Details

19. Details of the necessary IP addresses and Ports for both data centres can be found in the latest LME Systems Connectivity Guide, which is available on the LME website <https://www.lme.com/Trading/Systems> (login details required).
20. Please note that the timing of above connectivity windows is estimated and there may be delays if the LME experiences any unforeseen technical issues. All participants will be kept updated of any such issues via email communication.
21. Members and other market participants are requested to review and return the completed questionnaire as outlined in Appendix 1 of this Notice to [rm@lme.com](mailto:rm@lme.com) by **Friday 23 August 2024**.
22. Any queries regarding this Notice should be directed to LME Technical Account Management team at [tam@lme.com](mailto:tam@lme.com).

**Abhinav Jain**  
**Senior Technical Account Manager**

cc: Board directors



### Appendix 1

System	Participate in Connectivity Test (Yes / No / N.A.)	Contact details of Team / Individual(s) conducting connectivity test		
		Contact Name	Email Address	Phone Number
LMEselect				
LMEselectMD				
LMEsource				
LMEsmart				
LMEsword				
LME – SFTP				
LMEclear – SFTP				
LME – SFTP (Public)				
LME SFTP (UDG)				
LMEprism (GUI and SFTP)				
Additional Questionnaire				
Ensure IT/Network resources available for troubleshooting during connectivity test window (Yes / No)				
If using a connectivity provider, please confirm you have support from Connectivity Provider for troubleshooting during connectivity test window (Yes / No)				
If using ISV (Independent Software Vendor), please confirm whether yourself or ISV will conduct the connectivity test?				

### Appendix 2

System	Permitted Activities / Expected Behaviour During Connectivity Test
LMEselect	<ul style="list-style-type: none"> <li>• Login allowed to both GUI and FIX APIs</li> <li>• Order entry not allowed</li> </ul>
LMEselectMD	<ul style="list-style-type: none"> <li>• Login allowed</li> <li>• No market data published</li> </ul>
LMEsource	<ul style="list-style-type: none"> <li>• Heartbeats received on multicast channels.</li> <li>• No market data published</li> <li>• Login allowed to RTS service</li> </ul>
LMEsmart	<ul style="list-style-type: none"> <li>• Logon screen displayed for GUI with login not allowed</li> <li>• Login allowed to FIX API with rejection response received</li> </ul>
LMEsword	<ul style="list-style-type: none"> <li>• Login allowed to GUI</li> </ul>
LME – SFTP	<ul style="list-style-type: none"> <li>• Login to SFTP allowed</li> </ul>
LMEclear – SFTP	<ul style="list-style-type: none"> <li>• Login to SFTP allowed</li> </ul>
LME – SFTP (Public)	<ul style="list-style-type: none"> <li>• Login to SFTP allowed</li> </ul>
LME SFTP (UDG)	<ul style="list-style-type: none"> <li>• Login to SFTP allowed</li> <li>• No files submissions allowed</li> </ul>
LMEprism (GUI and SFTP)	<ul style="list-style-type: none"> <li>• Login allowed to both GUI and SFTP</li> </ul>