

NOTICE

MEFF 23/2024

REMINDER CONTINUITY TEST

MEFF

26 September 2024

As a reminder of the Notice sent on the past 4 April, we inform that MEFF and BME Clearing are organizing a Financial Derivatives **continuity plan** exercise and invite all members to participate in it. The date of the tests will be **Saturday, October 26, 2024**.

Previously to this date, it will be offered during **from October 7 to 11**, between 10:00 and 20:15 (CEST time), the possibility of carrying out a **ping test** from the members premises and against the equipment located in the Alternative Calculation Center.

Available segments

The test will be limited to the following:

- Financial derivatives market M3
- Financial derivatives clearing C2

During the continuity test, trading and settlement terminals and clients can be connected to the MEFF and BME Clearing production environments. The session date will be October 28 and **order entry and CCP Transactions will NOT be enabled**.

Ping testing

The ACCESS and GATEWAY equipment that act as communication servers are distributed between the Principal Calculation Center and the Alternative Calculation Center. Members who connect directly to these equipment does so under normal conditions with the Principal Gateways.

The connection to the the Alternative Gateways is only active in case of contingency.

In order to verify in advance that members can connect from their premises with the Access servers and Gateways located in the Alternative Calculation Center, the possibility of carrying out a ping test will be offered before carrying out the contingency test.

The dates and available time schedules will be between 7 and 11 October from 10:00 to 20:15 (CEST time).

The test consists in carrying out a ping from your equipment (where there are clients or terminals) that connect to the Market or Clearing and to the IP addresses of the servers

MEFF 23/2024

MEFF

MEFF Sociedad Rectora del Mercado de Productos Derivados, S.A.U., con domicilio social en Madrid, Plaza de la Lealtad 1, CIF A-86595568, e inscrita en el Registro Mercantil de Madrid en el Tomo 30.460, Folio 151, Sección 8, Hoja M-548163.

located in the Alternative Calculation Center so that connectivity with said equipment can be ensured.

It does not affect UDP connections from Market Data, connections to Access servers located in the member's premises and private information connections from SmartColocation.

As a reference, Alternative Calculation Center IP addressing is comprised in the following ranges:

- 10.216.34.0/24
- 10.196.1.0/24
- 10.181.34.0/24

It is necessary to perform the ping test before performing the continuity test.

Once the ping test has been done, please confirm its correct performance or communicate any issues by sending an email to tech.helpdesk@grupobme.es indicating:

- Membership code
- IP source list
- the destination IPs checked and
- date and time of the test

Disaster simulation

The test will consist in the opening of a trading and clearing session interrupted by the simulated disaster in the Principal Calculation Centre.

The session will continue from the Alternative Calculation Centre.

Expected effects on trading (M3)

According to the way of connecting:

- Colocation and proximity members will not be able to continue de session.
- Members who daily connect to he the principal GATEWAYS will have to switch to the alternative GATEWAYS connections located in the alternative access point.

MEFF 23/2024

MEFF

MEFF Sociedad Rectora del Mercado de Productos Derivados, S.A.U., con domicilio social en Madrid, Plaza de la Lealtad 1, CIF A-86595568, e inscrita en el Registro Mercantil de Madrid en el Tomo 30.460, Folio 151, Sección 8, Hoja M-548163.

- Members who have MEFFAccess located in their premises will see that their terminals and FIX clients will remain locked and that they will be unlocked automatically once the switching process is completed, and the session resumed.

According to the type of client:

- Terminals that have the main ACCESS/GATEWAYS and the alternative ACCESS/GATEWAYS configured, will remain locked during the fault simulation, and will automatically reconnect after switching.
- Public or private FIX clients, UDP or Replay & Recovery clients, OES clients connected to central GATEWAYS or ACCESS will receive blocking information (Network counter party) and will not receive unblocking information. These clients will need to restart the FIX/OES/UDP/R&R session with their alternative access point.
- Public or private FIX clients of members who have MEFFAccess located in their premises will remain locked and will be unlocked automatically once the switching process is completed and the session resumed.

Expected effects on clearing (C2)

According to the way of connecting:

- The colocation and proximity members will not be able to continue the session.
- Terminals that have the main ACCESS and the alternative ACCESS configured, will remain blocked during the fault simulation, and will automatically reconnect after switching.
- Members who connect directly with the FIX protocol to MEFFGate in the Principal Calculation Center, must switch to the alternative MEFFGate connections located at the alternative access point.

Some considerations

After the test, there will be no record of the activities carried out during the test session on the production systems.

MEFF 23/2024

MEFF

MEFF Sociedad Rectora del Mercado de Productos Derivados, S.A.U., con domicilio social en Madrid, Plaza de la Lealtad 1, CIF A-86595568, e inscrita en el Registro Mercantil de Madrid en el Tomo 30.460, Folio 151, Sección 8, Hoja M-548163.

Back-up to back-up

Members should use their contingency centres and check that they can send/receive information from their contingency centres to the market/clearinghouse contingency centre.

Test Registration

The registration to participate in the tests of all the services that have joined this initiative has been centralized on the BME Group website.

<https://www.bolsasymercados.es/esp/Continuidad-Negocio/Prueba-Miembros-Registro>

Members who wish to participate must register on this website. For any questions you can contact meffmarketservices@grupobme.es

Once the test has been completed, you should send us the results of the test with your comments. Please find attached to this notice the satisfaction survey that will be shared with the CNMV for analysis of the results. Please send it to the same e-mail address.

Test schedule (CEST)

10:00	MEFFStation terminals and clients connection
	It is possible to verify that the connection to the Primary Site is correct when the following message is received by the terminal: "Start continuity test. Verify that the connection is correct".
11:00	Market opening (order entry is not permitted)
11:30 – 12:00	Disaster simulation in the principal CPD and execution of the Disaster Recovery procedure enabled in the backup Host
	It is possible to verify that the connection to the Secondary Site is successful when the following message is received by the terminal: "The Secondary Centre has been recovered. Verify that the connection is correct"
12:00	Trading resumed with an auction (entry to the auction is not permitted)

MEFF 23/2024

MEFF

MEFF Sociedad Rectora del Mercado de Productos Derivados, S.A.U., con domicilio social en Madrid, Plaza de la Lealtad 1, CIF A-86595568, e inscrita en el Registro Mercantil de Madrid en el Tomo 30.460, Folio 151, Sección 8, Hoja M-548163.

12:30	End of the market
12:30	After the end of the session, the EOD files will be available in the MEFFStation terminal.
13:00	End of the test

Support during the test

- Market services: meffmarketservices@grupobme.es or +34.91.709.5300 in the timetable from 10:00 to 13:30 CEST.
- Clearing: clearingHelpdesk@grupobme.es o +34.91.709.5860 in the timetable from 10:00 to 13:30 CEST.
- IT Desk: Tech.Helpdesk@grupobme.es in the timetable from 10:00 to 13:30 CEST.
- Information on the evolution of the test procedure: through the website <https://www.bolsasymercados.es/esp/Continuidad-Negocio/Prueba-Miembros-Estado>

Next production session

Once the test is completed, MEFF and BME Clearing will revert the situation of the production systems to the situation at the close of trading on Friday 25 October.

That is, in production systems there will be no record of the activities carried out during the test session.

Members participating in the test must do the same in their systems to ensure that there is no record of the “fictitious” session on Saturday 26 October.

Monday's production session will kick off at its regular schedule on Sunday evening.

MEFF 23/2024

MEFF

MEFF Sociedad Rectora del Mercado de Productos Derivados, S.A.U., con domicilio social en Madrid, Plaza de la Lealtad 1, CIF A-86595568, e inscrita en el Registro Mercantil de Madrid en el Tomo 30.460, Folio 151, Sección 8, Hoja M-548163.

This material has been prepared by Bolsas y Mercados Españoles, Sociedad Holding de Mercados y Sistemas Financieros S. A. (BME), its subsidiaries, affiliates and/or their branches (together, "BME") for the exclusive use of the persons to whom BME delivers this material. This material or any of its content is not to be construed as a binding agreement, recommendation, investment advice, solicitation, invitation or offer to buy or sell financial information, products, solutions or services. The information does not reflect the firm positions (proprietary or third party) of the entities involved in the Spanish Securities Market. BME is under no obligation to update, revise or keep current the content of this material, and is subject to change without notice at any time. No representation, warranty, guarantee or undertaking – express or implied – is or will be given by BME as to the accuracy, completeness, sufficiency, suitability or reliability of the content of this material.

The opinions presented are theoretical and, therefore, the content hereof is intended for informational purposes only and should not be used for portfolio or asset valuations, or as the basis for any investment recommendations. Neither contributing Entities, nor Bolsas y Mercados Españoles, Sociedad Holding de Mercados y Sistemas Financieros S.A.(BME) nor any of its subsidiaries, accept responsibility for any financial loss or decision made based on the information contained in this material. In general, neither Bolsas y Mercados Españoles, Sociedad Holding de Mercados y Sistemas Financieros S. A. (BME) nor any of its subsidiaries, nor the contributing Entities, their directors, representatives, associates, subsidiaries, managers, partners, employees or advisors accept any responsibility for this information or unauthorised use of the same.

This material is property of BME and may not be printed, copied, reproduced, published, passed on, disclosed or distributed in any form without the express prior written consent of BME.

2023 Bolsas y Mercados Españoles, Sociedad Holding de Mercados y Sistemas Financieros S. A. All rights reserved.

BME
Plaza de la Lealtad,1
Palacio de la Bolsa
28014 Madrid

www.bolsasymercados.es

