GPW WATS

RollBack - Scenario 3

Test description

CONTENTS

1. PREFACE

1.1. DOCUMENT PURPOSE

The purpose of this document is to describe the RollBack testing activities in Scenario 3.

The RollBack procedure aims to implement an organizational and technical solution that will ensure a smooth rollback of the change, i.e., the implementation of the GPW WATS system, in the situation and under the conditions described in this chapter. The procedure applies to all users of the GPW WATS platform ("Clients", "Market Participants").

The tests will be conducted using pre-production infrastructure . The tests will be organized using the production IT systems of GPW clients connected to the Pre-PROD environment of the GPW WATS system.

Market participants are required to ensure that their systems can support the transition of their own systems to the UTP trading system.

Note: Participation in the RollBack tests on September 14, 2025 is not mandatory for those customers who have confirmed the correct operation of the RollBack procedure as part of previously conducted tests.

All customers who participate in testing are required to complete and submit a post-test report.

2. INTRODUCTION

2.1. TEST PARTICIPANTS

All entities using GPW WATS Services participate in the tests:

- Members of the Stock Exchange (Exchange Members)
- BondSpot Markets Members
- Direct recipients of stock information (DV)
- Companies acting as Authorized Service Providers (ADUs)
- National Depository for Securities (KDPW)
- KDPW_CCP
- Polish Financial Supervision Authority (KNF)
- BondSpot
- GPW Benchmark (GPWB)

2.2. TEST COMPLETION DATE

RollBack tests – in **Scenario 3** – i.e. the decision of the Warsaw Stock Exchange (GPW) on RollBack after concluding a transaction in the GPW WATS system – will take place on September 14, 2025.

2.3. COMMUNICATION BETWEEN TEST PARTICIPANTS

If you have any questions regarding RollBack Tests, please contact the WATS Support Team via the ServiceDesk system : https://WATSSupport.gpw.pl/ or by email: ts@gpw.pl .

Complementary communication is possible via telephone lines:

(+48) 22 537 7341 // (+48) 22 364 5567

The Participant Support Team of KDPW_CCP and KDPW will be available from 8:30 AM to 2:00 PM. If you have any questions regarding the clearing and settlement of transactions in KDPW_CCP and KDPW, please contact us at: **wats@kdpw.pl**.

2.4. ROLLBACK TEST ASSUMPTIONS (SCENARIO 3)

- Migration Tests are carried out in the PrePROD GPW WATS environment.
- RollBack Procedure Tests scheduled for 14/09/2025 will take place after the Dress Rehearsal tests on 13/09/2025,
- Orders placed by Exchange Members and BondSpot Members on the Saturday preceding the RollBack tests **will not be cancelled** by the WSE and BondSpot at the end of the trading day in the PrePROD environment of the GPW WATS system;
- The following markets will be available during testing:
    o WSE markets
    o BondSpot markets (Catalyst)
- The entities indicated in point 2.1 must participate in the tests,
- Tests are organised according to the schedule provided later in this document;
- All test participants, while implementing the schedule, monitor the correct operation of the IT systems involved, as well as production systems;
- Once the RollBack is completed, orders from the GPW WATS system will be invalidated in the PrePROD environment .

- After completing the tests, each participant is required to complete the RollBack Test Report, which will be made available on the Project Portal on the day of the tests;

2.5. FUNCTIONAL AND TECHNICAL SCOPE OF TESTS

- Correct connection to GPW WATS Services before the start of the trading session;
- Verification of the correctness of connection to GPW WATS Services
- Entering orders, receiving order confirmations, handling full and partial order execution, i.e. concluding a transaction
- Receiving information from the WSE about the WSE's decision on RollBack
- Receiving information from the WSE about the WSE's decision to **invalidate orders and invalidate all transactions**
- Correct rollback of changes introduced in the preparation process for GPW WATS implementation and execution of tasks according to own RollBack Procedures
- Correct connection to UTP (without placing orders)
- Readiness to conduct quotations on the next trading day on the UTP trading platform.

2.6. ROLLBACK TEST SUCCESS CRITERIA

1. Correct connection to GPW WATS Services before the start of the session in the Pre-PROD environment of the GPW WATS system, i.e. confirmation of connectivity to private ports and the Market Data multicast port .
2. Continuity in connecting GPW WATS Services to the Basic Data Processing Centre in the scope of order processing (Order Gateway, Drop Copy Gateway).
3. Continuous reception of public data from the Market Data Gateway, i.e. confirmation that market data is being received by the relevant applications via all communication methods for all relevant markets.
4. After the GPW announces its decision on RollBack, the procedure for switching systems to the UTP system will be initiated, i.e. the changes introduced in the process of preparing for the GPW WATS implementation will be withdrawn and tasks will be carried out according to the GPW's own RollBack Procedures.
5. Establishing a connection to the UTP system.
6. Confirmation that client-side applications have successfully attached to the UTP system and are operating as expected.
7. After completing the full procedure of switching all systems to UTP, a report will be submitted to the WSE - regardless of the test results.

3. SCHEDULE – SCENARIO #3

3.1. REFERENCE DATA

Reference data (including reference rates) will be published in the Market Data channel on the test day on September 14.

3.2. ROLLBACK TEST SCHEDULE – SCENARIO 3

Please note that all times listed in the schedule below are approximate and subject to change throughout the day. Confirmation and any schedule changes will be communicated via **email.**

No.	Time	Action	Description - additional information
1	~0 6 : 0 0	Launch of the GPW WATS system	• Receiving reference data after joining the Market Data service
2	~0 6 : 0 0	Connecting customer systems to GPW WATS	• Confirmation that client-side applications are correctly managing the access connection to GPW wATS and are operating in accordance with the expected behavior.
3	08:30	Start of session according to standard session schedules	• **Order placing operations, concluding transactions**
4	~1 1 : 0 0	GPW announces the launch of **Scenario #3 RollBack procedures.** Together with the information about the RollBack decision, GPW will provide the cut-off time for GPW Clients to send confirmation of their readiness to operate in cooperation with the UTP system.	• By the decision of the Management Board (Resolution of the Management Board) the WSE **announces the invalidation of all orders and transactions** concluded in the WSE WATS system • GPW does not generate order cancellations and does not generate transaction cancellations from the GPW WATS system. • The WSE does not publish files with contract cards .
5	After ~1 1 : 0 0	Switching systems to UTP	• Users roll back changes made in the process of preparing for the implementation of GPW WATS • GPW closes connections to the GPW WATS platform and performs the initial start of the UTP platform in order to verify connections with trading participants (applies to: CzG, DV, BondSpot). • Trading participants perform the tasks of their own RollBack Procedures • Possibility of technical verification of joining UTP (without placing orders)
6	~19:00	Reports on completion of RollBack to UTP on the CG side	• Customer reporting is done via the project portal • GPW clients submit the "RollBack Procedure Completion Report" form no later than 7:00 p.m. or on the date indicated by GPW, thereby confirming their readiness for trading on the UTP trading platform the following day. • Customers are responsible for ensuring that their systems can support the switch to the UTP trading system.
7	~19:00	GPW confirms completion of the RollBack process with a decision on the date of launch of the next session in the UTP system	

3.3. KDPW AND KDPW CCP SCHEDULE

Clearings in KDPW_CCP will be carried out based on closing/settlement prices published after the end of trading by the Warsaw Stock Exchange (GPW).

No.	Time	Action	Description - additional information
1	~08:00	Start of the KDPW_CCP and KDPW systems	
2	~08:45	Generation of messages confirming transaction acceptance for clearing	• · Message sese.sts.002.02 for all transactions on the given day
3	~09:00	Start of settlement in KDPW	• · Regular sessions at 10:00; 11:30; 12:00 · W session at 12:30
4	12:30	End of settlement in KDPW	• · RTGS operations carried out until 12:00
5	11:30	Rollback handling – Scenario 3	• · Removal of transactions by KDPW_CCP deemed invalid by the Warsaw Stock Exchange (GPW)
6	12:00–13:00	Start of evening clearing session in KDPW_CCP	• · Calculation of margin and fund obligations/receivables, dispatch of post-clearing messages
7	14:00	System sut down -KDPW and KDPW_CCP	