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Revision History

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1.0	07-June-2018	Initial document	N/A
2.0	23-October-2018	Pilot phase end date	Change of the pilot phase end date

THE SOLE FUNCTION OF THE ABOVE TEXT IS TO APPROVE THE VERSION OF THIS USER ACCEPTANCE TEST PLAN PTMVS TEMPLATE (HOSPITAL TEST CASES) AND TO MAINTAIN THE REVISION HISTORY. IT IS NOT PART OF THE PILOT PHASE APPROACH AND PLAN ITSELF. NOTE THAT A SEPARATE HEADER AND FOOTER IS USED ON THIS FIRST PAGE.

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1. Purpose

The purpose of this document is to describe the objectives, approach, requirements, procedures and expected results for the Pilot phase, for Hospitals).

In the Pilot phase, the integration between PTMVS and IT systems of selected Authorization Holders and selected End Users (e.g. Hospitals) will be the main focus of the tests to be performed.

An End User, in the context of this document, is a physical person using the national system on behalf of the End User organization and in accordance with approved procedures.

Access to PTMVS will be granted by PTMVO to each individual person using a unique system account. PTMVO is categorized as a GxP system and is connected to the EU Hub, a subsystem of the European Medicines Verification System (EMVS). End User IT systems will be connected to PTMVS via an interface or a web portal.

2. Scope

The scope of this document consists of the description of the objectives, approach, requirements, entry criteria, test scenarios, exit criteria, test abortion criteria and documentation criteria applicable to Hospitals.

The internal organization and processes of the Hospital will not be assessed by PTMVO. Each Hospital is responsible for defining and implementing its own internal organization, processes and procedures in order to comply with the Delegated Regulation and other applicable legislation. The decisions concerning the integration with PTMVS are taken by each Hospital.


The test scenarios described in this document are considered sufficient to verify the functioning of the integration between PTMVS and the Hospitals system. The Hospital can perform any other tests it may consider relevant. Those additional tests will not be followed-up by PTMVO.

No software audit or certification whatsoever will be granted by PTMVO to any piece of software of any Hospital.

Certain system functionalities may not be available for testing during the Pilot period. Those functionalities will be tested by PTMVO when available, and PTMVO may invite End Users for testing. Performance testing will not be part of the Pilot period scope, once those tests will be assured by Arvato directly.

3. Pilot phase general goals

The overall objective of the Pilot phase is to simulate, as similar to real world conditions as possible, the utilization of the national verification system. For Hospitals specifically, the main goal is to verify the system interface and the success of the transaction performed in the in PTMVS, according to predefined test scenarios.

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4. Approach and governance

The conditions for testing the integration between End User IT system and PTMVS are to be set as similar to real world utilization as possible. Those conditions are described in the following sections.

4.1 Pilot phase duration

- The Pilot phase will occur between July 2nd 2018 and February 8th 2019.
- Despite the fixed interval for the Pilot Phase, each End User can decide on the date to start executing the tests. It is not necessary to start on July 2nd. A joint planning must be in place between the End User and PTMVO concerning testing dates so PTMVO can assure proper support (see section 4.5.1 of this document).

4.2 Preconditions to participate

The participation in the Pilot phase is voluntary. End Users willing to participate in the Pilot phase must inform PTMVO by sending an email to mvo.portugal@mvoportugal.pt. This manifestation of interest can be done at any moment.

End Users willing to participate in the Pilot phase must complete the onboarding process with PTMVO, according to the described in the document MVOPT-0057_Onboarding of Hospitals. By having completed the onboarding process with PTMVO is understood that the End User has completed the following actions:

- Having sent to PTMVO the Access Request Form (using the template MVOPT-0037 - Access Request Form_v3.0 or the template MVOPT-0039 - Access Request Form (PT)). Once duly filled, the document is to be sent to mvo.portugal@mvoportugal.pt, and must be explicitly accepted by PTMVO upon review. PTMVO will send a feedback note by email to the End User.
- Register in the Software Supplier Portal (<https://sws-nmvs.eu>) to have access to sandbox environment and technical documentation.
- Having provided proof of having successfully performed the tests described in the document Software Supplier Test Documentation NMVS v1.0, available on the Software Supplier Portal. The test results must be sent to PTMVO via email using the template document NMVS – Hospital - Test Report Template v1, to mvo.portugal@mvoportugal.pt, and must be explicitly accepted by PTMVO upon review. PTMVO will send a feedback note by email to the End User.
- Having provided two signed hardcopies of the Services Agreement to PTMVO postal address (Avenida Dom Vasco da Gama 34, 1400-128 Lisboa). The End User may use the English Version (MVOPT-0048_Services Agreement) or the Portuguese Version (MVOPT-0049_Services Agreement (PT)). A scanned version of the signed Services Agreement can be sent to mvo.portugal@mvoportugal.pt to accelerate the onboarding process.

The number of End Users participating in the Pilot phase will be limited and PTMVO reserves its right to make decisions on the participants, considering the number of End Users interested to participate, the project needs and PTMVO capacity.

4.3 Access to test environment

Only after having completed the steps described in the previous section the End User will be eligible for receiving the access credentials to IQE environment of PTMVS. The access credentials will consist of username, initial password and a certificate. These credentials will be supplied to the End User via email. The provided credentials will have administrator privileges. Each End User will create and manage its own users. The instructions to operate user management are described in the document MVOPT-0062_User Management.

4.4 Test environment

- The tests will occur on PTMVS's Integrated Quality Environment (IQE), which is already connected to EU Hub IQE environment.
- The software version to be used during the pilot phase is identical to the software version to be deployed on the Production Environment (PRD). Eventual enhancements, resulting from the testing phase, may be included in the software version to be used once the system is in production.
- The data to be used will be supplied by PTMVO to each End User participating on the pilot phase. That will allow the determination of which set of data to be used in each test scenario, and thus better grasp the behavior of the systems. The data to be used may or may not be real pack data. If no real pack data is to be used, the data to be used will fulfill the requirements defined for Portuguese market, as per the published legislation and GS1 guidelines.

4.5 Testing process

The testing process has been structured as described in the following sections.

4.5.1 Test planning

The End User and PTMVO will establish a specific timeframe (i.e. a specific week or weeks) for the End User perform the tests. It is aimed with this approach to assure availability by PTMVO to the End User during the testing period. However, the End User is free to perform the tests at any other time.

4.5.2 Test execution

The End User creates its users in the system before starting the testing activities. The instructions to operate user management are described in the document MVOPT-0062_User Management.

The End User performs the tests as per the distributed test scenarios and documents the results for ulterior discussion, using the document MVOPT-0052_Pilot Report - Hospital. The test scenarios are described on section 8 of this document.


PTMVO and the PTMVS IT supplier (Arvato) will be available to support during the testing period. The available contacts are the following:

- Technical support – Arvato:
 - Email address: support@sws-nmvs.eu
 - Telephone: + 49 5241 80 79900
- Support to test execution – MVO Portugal:
 - Email address: mvo.portugal@mvoportugal.pt
 - Telephone: +351 21 121 4967

4.5.3 Test abortion criteria

The testing may be stopped if:

- Disturbances/interference in the connection between End User IT system and PTMVS emerge after the testing has been commenced preventing the exchange of information.
- Disturbances/malfunctions in the IT infrastructure of End User IT system or PTMVS emerge after the testing has been commenced preventing the normal operation of either system.
- The resources allocated for testing become unavailable after the testing has been commenced preventing the continuation of testing.

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4.5.4 Test results, discussion and follow-up

At the end of the testing period, the End User and PTMVO will discuss the test results. These discussions may happen with more than one End User at the same time. The scheduling of the discussions will occur upon agreement between the End User and PTMVO.

4.6 Exit criteria for the Pilot phase

The Pilot phase may end in different moments for different End Users. The Pilot phase will end for a given End User when:

- The test scenarios described in section 8 of this document have been successfully performed, or
- If not all test scenarios have been successful, the problems encountered are documented for analysis and resolution, or
- The Pilot phase has reached the final date (see section 4.1 of this document).

5. Access to Production Environment (PRD)

For the Pilot phase the Integrated Quality Environment (IQE) will be used. The Production Environment will not be used. Access to the Production Environment will be granted to all End Users that successfully accomplish the Pilot phase (see section 4.6 of this document). In order to be eligible for access to the Production Environment (PRD), the End User must provide the following documents:

- Pilot report summarizing the results of the test including a table of all test cases, screenshots, list of all defects, description of open defects/issues and final test conclusion. The screenshots of the output of the tested IT system as defined in respective test cases to be added to the Pilot report. For this, the template MVOPT-0052_Pilot Report – Hospital is to be used by the End User.
- Defect reports concerning all defects detected during testing. For this, the template MVOPT-0035_Defect Report Template is to be used by the End User.

6. System description

PTMVS will serve as the verification platform to which Hospital connects in order to verify the authenticity of medicinal products. Each Hospital has chosen an IT service provider that will deliver the Hospital system and the interface between the Hospital system and PTMVS. For the purpose of this document, the IT service provider can be an internal entity (i.e. the internal IT Department) or an external supplier. In case of unavailability of the connection between the End User IT system and the PTMVS via the webservices, it will be possible the use of a web-based portal, a graphical user interface (GUI), for the purposes of verifying the authenticity of the unique identifier and decommissioning. In the test scenarios described on section 8 of this document including the expression “manual entry” the GUI will be used.

7. Definitions

Term/Acronym	Definition
Authorisation Holders	The group composed by Marketing Authorisation Holders and Parallel Importer Holders.
EMVS	European Medicines Verification System. The European system for medicines verification consisting of the European Hub, the NMVS, the interface between those two, and the interfaces to the manufacturer / parallel distributor systems, to the Hospital systems and to the Hospital systems.
EU Hub	The subsystem of the European Medicines Verification System that serves as a gateway for the transmission of manufacturer and parallel importer data to the national systems. Furthermore; data reconciliation on repackaging activities is performed on the EU Hub.
GxP System	A system that is subject to GxP regulations (x can mean: Clinical, Laboratory, Manufacturing, Pharmaceutical, etc...). The company must ensure that such systems comply with appropriate regulations.
End User	End User shall mean any wholesaler, pharmacy, hospital or other person authorized or entitled to supply medicinal products to the public as foreseen under the EU Directive on Falsified Medicines and the Delegated Regulation.
IQE	Integrated Quality Environment.
ITE	Integrated Test Environment.
IT Service Provider	The service provider that delivers the interface between the End User system and PTMVS. Is contracted by the End User.
MAH	Marketing Authorisation Holder.
NCA	National Competent Authority (In Portugal, INFARMED I.P.).
PIAH	Parallel Importer Authorisation Holder.
PRD	Production Environment.
PTMVO	Portuguese Medicines Verification Organisation.
PTMVS	Portuguese Medicines Verification System. A system in the European Medicines Verification landscape that serves as the verification platform for Portugal. The End Users registered (Hospitals, Hospitals, Hospitals or Other kind of End Users in the Portuguese context) check the authenticity of a product using a connection to this system.
SOP	Standard Operational Procedure.

8. Test cases for Hospitals

8.1 Attributes to be tested

The following attributes will be tested:

Process ID	Description
Download product master data	
G101	Download product master data
Single pack transactions	
G110	Verify single pack
G120	Dispense single pack
G121	Undo dispense single pack
G122	Dispense single pack manual entry
G130	Destroy single pack
G150	Sample single pack
G151	Undo sample single pack
Homogenous bulk transactions	
G115	Bulk verify packs
G125	Bulk dispense packs
G127	Bulk undo dispense packs
G135	Bulk destroy packs
G155	Bulk sample packs
G157	Bulk undo sample packs
G188	Request bulk transaction result
G195	Submit mixed bulk transaction
G916	Request mixed bulk transaction

8.2 Test cases – Single pack transactions

8.2.1 PTMVS-H-01 Verify, dispense and undo dispense single pack

Description	Test case to verify that transactions 'Verify single pack', 'Dispense single pack' and 'Undo dispense single pack' can be successfully performed via the Hospital IT system interface.		
Transactions	G110 Verify single pack G120 Dispense single pack G121 Undo dispense single pack		
Precondition	The Hospital has been created in PTMVS. A sufficient number of products/packs has been uploaded in PTMVS.		
Acceptance criteria	All steps could be successfully completed.		
Successfully completed	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Packs used	Send file to PTMVO with the packs used.		
Defect report reference			
Performed by			

Step	Description	Expected result	Actual result
1	Perform the operation 'Verify single pack' for the predefined packs. Take a screenshot showing the result.	The status of the pack is ACTIVE and the operation is successfully completed.	
2	Perform the operation 'Dispense single pack' for the packs verified in Step 1. Take a screenshot showing the result.	The operation is successfully completed.	
3	Perform the operation 'Verify single pack' for the packs dispensed in Step 2. Take a screenshot showing the result.	The status of the pack is INACTIVE (DISPENSED) and the operation is successfully completed.	
4	Perform the operation 'Undo dispense single pack' for the packs verified in Step 3. Take a screenshot showing the result.	The operation is successfully completed.	
5	Perform the operation 'Verify single pack' for the packs used in Step 4. Take a screenshot showing the result.	The status of the pack is ACTIVE and the operation is successfully completed.	

8.2.2 PTMVS-H-02 Dispense single pack manual entry

Description	Test case to verify that transaction 'Dispense single pack manual entry' can be successfully performed by manually introducing the data into the system.			
Transactions	G122 Dispense single pack manual entry			
Precondition	The Hospital has been created in PTMVS. A sufficient number of products/packs has been uploaded in PTMVS.			
Acceptance criteria	All steps could be successfully completed.			
Successfully completed	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
Packs used	Send file to PTMVO with the packs used.			
Defect report reference				
Performed by				

Step	Description	Expected result	Actual result
1	Perform the operation 'Dispense single pack manual entry' for a predefined pack. Take a screenshot showing the result.	The operation is successfully completed.	
2	Perform the operation 'Verify single pack' for the pack dispensed in Step 1. Take a screenshot showing the result.	The status of the pack is INACTIVE (DISPENSED) and the operation is successfully completed.	

8.2.3 PTMVS-H-03 Sample single pack and undo sample single pack

Description	Test case to verify that transactions 'Sample single pack' and 'Undo sample single pack' can be successfully performed via the Hospital IT system interface.	
Transactions	G150 Sample single pack G151 Undo sample single pack	
Precondition	The Hospital has been created in PTMVS. A sufficient number of products/packs has been uploaded in PTMVS.	
Acceptance criteria	All steps could be successfully completed.	
Successfully completed	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Packs used	Send file to PTMVO with the packs used.	
Defect report reference		
Performed by		

Step	Description	Expected result	Actual result
1	Perform the operation 'Sample single pack' for a predefined pack. Take a screenshot showing the result.	The operation is successfully completed.	
2	Perform the operation 'Verify single pack' for the pack sampled in Step 1. Take a screenshot showing the result.	The status of the pack is INACTIVE (SAMPLE) and the operation is successfully completed.	
3	Perform the operation 'Undo sample single pack' for the pack verified in Step 3. Take a screenshot showing the result.	The operation is successfully completed.	
4	Perform the operation 'Verify single pack' for the pack used in Step 4. Take a screenshot showing the result.	The status of the pack is ACTIVE and the operation is successfully completed.	



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8.2.4 PTMVS-H-04 Destroy single pack

Description	Test case to verify that transaction 'Destroy single pack' can be successfully performed via the Hospital IT system interface.			
Transactions	G130 Destroy single pack			
Precondition	The Hospital has been created in PTMVS. A sufficient number of products/packs has been uploaded in PTMVS.			
Acceptance criteria	All steps could be successfully completed.			
Successfully completed	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
Packs used	Send file to PTMVO with the packs used.			
Defect report reference				
Performed by				


Step	Description	Expected result	Actual result
1	Perform the operation 'Destroy single pack' for a predefined pack. Take a screenshot showing the result.	The operation is successfully completed.	
2	Perform the operation 'Verify single pack' for the pack destroyed in Step 1. Take a screenshot showing the result.	The status of the pack is INACTIVE (DESTROYED) and the operation is successfully completed.	

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8.2.5 PTMVS-H-05 Alarm generation

Description	Test case to verify that a predefined pack not previously uploaded to the system generates an alarm.		
Transactions	G110 Verify single pack		
Precondition	The Hospital has been created in PTMVS. A sufficient number of products/packs has been uploaded in PTMVS.		
Acceptance criteria	All steps could be successfully completed.		
Successfully completed	<input type="checkbox"/>	Yes	<input type="checkbox"/> No
Packs used	Send file to PTMVO with the packs used.		
Defect report reference			
Performed by			

Step	Description	Expected result	Actual result
1	Perform the operation 'Verify single pack' for a predefined pack. Take a screenshot showing the result.	The pack does not exist in the system and an alarm should be generated.	

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8.3 Test cases – Bulk transactions

8.3.1 PTMVS-H-06 Bulk verify packs, bulk dispense packs, bulk undo dispense packs and request bulk transaction result

Description	Test case to verify that transactions 'Bulk verify packs', 'Bulk dispense packs', 'Bulk undo dispense packs' and 'Request bulk transaction result' can be successfully performed via the Hospital IT system interface.	
Transactions	G115 Bulk verify packs G125 Bulk dispense packs G127 Bulk undo dispense packs G188 Request bulk transaction result	
Precondition	The Hospital has been created in PTMVS. A sufficient number of products/packs has been uploaded in PTMVS.	
Acceptance criteria	All steps could be successfully completed.	
Successfully completed	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Packs used	Send file to PTMVO with the packs used.	
Defect report reference		
Performed by		

Step	Description	Expected result	Actual result
1	Perform the operation 'Bulk verify packs' for the predefined packs. Take a screenshot showing the result.	A confirmation of receipt containing a transaction ID is returned and the operation is successfully completed.	
2	Perform the operation 'Request bulk transaction result' by using the transaction ID received in Step 1. Take a screenshot showing the result.	The status of all the packs is ACTIVE and the operation is successfully completed.	
3	Perform the operation 'Bulk dispense packs' for packs verified in Step 2. Take a screenshot showing the result.	A confirmation of receipt containing a transaction ID is returned and the operation is successfully completed.	
4	Perform the operation 'Request bulk transaction result' by using the transaction ID received in Step 3. Take a screenshot showing the result.	The status of all the packs is INACTIVE (DISPENSED) and the operation is successfully completed.	
5	Perform the operation 'Bulk undo dispense packs' for packs dispensed in Step 4. Take a screenshot showing the result.	A confirmation of receipt containing a transaction ID is returned and the operation is successfully completed.	



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6	Perform the operation 'Request bulk transaction result' by using the transaction ID received in Step 5. Take a screenshot showing the result.	The status of all the packs is ACTIVE and the operation is successfully completed.	
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8.3.2 PTMVS-H-07 Bulk sample packs and bulk undo sample packs

Description	Test case to verify that transactions 'Bulk sample packs' and 'Bulk undo sample packs' can be successfully performed via the Hospital IT system interface.	
Transactions	G155 Bulk sample packs G157 Bulk undo sample packs	
Precondition	The Hospital has been created in PTMVS. A sufficient number of products/packs has been uploaded in PTMVS.	
Acceptance criteria	All steps could be successfully completed.	
Successfully completed	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Packs used	Send file to PTMVO with the packs used.	
Defect report reference		
Performed by		

Step	Description	Expected result	Actual result
1	Perform the operation 'Bulk sample packs' for the predefined packs. Take a screenshot showing the result.	A confirmation of receipt containing a transaction ID is returned and the operation is successfully completed.	
2	Perform the operation 'Request bulk transaction result' by using the transaction ID received in Step 1. Take a screenshot showing the result.	The status of all the packs is INACTIVE (SAMPLE) and the operation is successfully completed.	
3	Perform the operation 'Bulk undo sample packs' for packs used in Step 2. Take a screenshot showing the result.	A confirmation of receipt containing a transaction ID is returned and the operation is successfully completed.	
4	Perform the operation 'Request bulk transaction result' by using the transaction ID received in Step 3. Take a screenshot showing the result.	The status of all the packs is ACTIVE and the operation is successfully completed.	



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8.3.3 PTMVS-H-08 Bulk destroy packs

Description	Test case to verify that transaction 'Bulk destroy packs' can be successfully performed via the Hospital IT system interface.			
Transactions	G135 Bulk destroy packs			
Precondition	The Hospital has been created in PTMVS. A sufficient number of products/packs have been uploaded in PTMVS.			
Acceptance criteria	All steps could be successfully completed.			
Successfully completed	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
Packs used	Send file to PTMVO with the packs used.			
Defect report reference				
Performed by				

Step	Description	Expected result	Actual result
1	Perform the operation 'Bulk destroy packs' for the predefined packs. Take a screenshot showing the result.	A confirmation of receipt containing a transaction ID is returned and the operation is successfully completed.	
2	Perform the operation 'Request bulk transaction result' by using the transaction ID received in Step 1. Take a screenshot showing the result.	The status of all the packs is INACTIVE (DESTROYED) and the operation is successfully completed.	

8.4 Test cases – Mixed Bulk transactions

8.4.1 PTMVS-H-09 Submit mixed bulk transaction and request mixed bulk transaction result

Description	Test case to verify that transactions 'Submit mixed bulk transaction' and 'Request mixed bulk transaction result' can be successfully performed via the Hospital IT system interface.		
Transactions	G195 Submit mixed bulk transaction G196 Request mixed bulk transaction result		
Precondition	The Hospital has been created in PTMVS. A sufficient number of products/packs have been uploaded in PTMVS.		
Acceptance criteria	All steps could be successfully completed.		
Successfully completed	<input type="checkbox"/>	Yes	<input type="checkbox"/> No
Packs used	Send file to PTMVO with the packs used.		
Defect report reference			
Performed by			

Step	Description	Expected result	Actual result
1	Disconnect the Hospital IT system from PTMVS. Perform the operation 'Dispense single pack' for a predefined pack. Take a screenshot showing the result.	The transaction is cached on the Hospital IT system.	
2	Perform the operation 'Undo dispense single pack' for the pack dispensed in Step 1. Take a screenshot showing the result.	The transaction is cached on the Hospital IT system.	
3	Perform the operation 'Destroy single pack' for the pack used in Step 2. Take a screenshot showing the result.	The transaction is cached on the Hospital IT system.	
4	Reconnect the Hospital IT system to PTMVS. Perform the operation 'Submit mixed bulk transaction'. Take a screenshot showing the result.	A confirmation of receipt containing a transaction ID is returned and the operation is successfully completed.	
5	Perform the operation 'Request mixed bulk transaction result' by using the transaction ID received in Step 4. Take a screenshot showing the result.	All transactions are correctly listed on the report.	



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6	Perform the operation 'Verify single pack' for the pack used in Steps 1-3. Take a screenshot showing the result.	The status of the pack is INACTIVE (DESTROYED) and the operation is successfully completed.	
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8.5 Test cases – Undo single pack transactions (10 days after the initial transaction)

8.5.1 PTMVS-H-10 Undo dispense single pack (10 days after the initial transaction)

Description	Test case to verify "Undo dispense single pack" after 10 days of a "dispense single pack" can't be successfully performed via the Hospital IT system interface. This test case must be performed after 10 days of the initial transaction.
Transactions	G110 Verify single pack G120 Dispense single pack G121 Undo dispense single pack
Precondition	The Hospital has been created in PTMVS. A sufficient number of products/packs have been uploaded in PTMVS.
Acceptance criteria	All steps could be successfully completed.
Successfully completed	<input type="checkbox"/> Yes <input type="checkbox"/> No
Packs used	Send file to PTMVO with the packs used.
Defect report reference	
Performed by	

Step	Description	Expected result	Actual result
1	Perform the operation 'Verify single pack' for the predefined packs. Take a screenshot showing the result.	The status of the pack is ACTIVE and the operation is successfully completed.	
2	Perform the operation 'Dispense single pack' for the packs verified in Step 1. Take a screenshot showing the result.	The operation is successfully completed.	
3	Perform the operation 'Verify single pack' for the packs dispensed in Step 2. Take a screenshot showing the result.	The status of the pack is INACTIVE (DISPENSED) and the operation is successfully completed.	
4	Wait for 10 days	-	
5	Perform the operation 'Undo dispense single pack' for a predefined pack. Take a screenshot showing the result.	The status of the pack is INACTIVE (DISPENSED) and the Undo operation is not possible to complete.	

8.5.2 PTMVS-H-11 Undo sample single pack (10 days after the initial transaction)

Description	Test case to verify that transactions “Undo sample single pack” can’t be successfully performed via the Hospital IT system interface. This test case must be performed after 10 days of the initial transaction.	
Transactions	G150 Sample single pack G151 Undo sample single pack	
Precondition	The Hospital has been created in PTMVS. A sufficient number of products/packs have been uploaded in PTMVS.	
Acceptance criteria	All steps could be successfully completed.	
Successfully completed	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Packs used	Send file to PTMVO with the packs used.	
Defect report reference		
Performed by		

Step	Description	Expected result	Actual result
1	Perform the operation ‘Sample single pack’ for a predefined pack. Take a screenshot showing the result.	The operation is successfully completed.	
2	Perform the operation ‘Verify single pack’ for the pack sampled in Step 1. Take a screenshot showing the result.	The status of the pack is INACTIVE (SAMPLE) and the operation is successfully completed.	
3	Wait for 10 days	-	
4	Perform the operation ‘Undo sample single pack’ for a pre-defined pack. Take a screenshot showing the result.	The status of the pack is INACTIVE (SAMPLE) and the Undo operation is not possible to complete.	

8.6 Test cases – Undo bulk pack transactions (10 days after the initial transaction)

8.6.1 PTMVS-H-12 Bulk dispense packs and Undo dispense packs (10 days after the initial transaction)

Description	Test case to verify that transactions, "Bulk undo dispense packs" can't be successfully performed via the Hospital IT system interface. This test case must be performed after 10 days of the initial transaction.
Transactions	G115 Bulk verify packs G125 Bulk dispense packs G127 Bulk undo dispense packs G188 Request bulk transaction result
Precondition	The Hospital has been created in PTMVS. A sufficient number of products/packs has been uploaded in PTMVS.
Acceptance criteria	All steps could be successfully completed.
Successfully completed	<input type="checkbox"/> Yes <input type="checkbox"/> No
Packs used	Send file to PTMVO with the packs used.
Defect report reference	
Performed by	

Step	Description	Expected result	Actual result
1	Perform the operation 'Bulk verify packs' for the predefined packs. Take a screenshot showing the result.	A confirmation of receipt containing a transaction ID is returned and the operation is successfully completed.	
2	Perform the operation 'Request bulk transaction result' by using the transaction ID received in Step 1. Take a screenshot showing the result.	The status of all the packs is ACTIVE and the operation is successfully completed.	
3	Perform the operation 'Bulk dispense packs' for packs verified in Step 2. Take a screenshot showing the result.	A confirmation of receipt containing a transaction ID is returned and the operation is successfully completed.	
4	Perform the operation 'Request bulk transaction result' by using the transaction ID received in Step 3. Take a screenshot showing the result.	The status of all the packs is INACTIVE (DISPENSED) and the operation is successfully completed.	
5	Wait for 10 days	-	
6	Perform the operation 'Bulk verify packs' for the packs used in Step 1.	The status of all the packs is INACTIVE	



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	Take a screenshot showing the result.	(DISPENSED) and the Undo operation is not possible to complete.	
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8.6.2 PTMVS-H-13 Bulk sample packs and bulk undo sample packs (10 days after the initial transaction)

Description	Test case to verify that transactions “Bulk undo sample packs” can’t be successfully performed via the Hospital IT system interface. This test case must be performed after 10 days of the initial transaction.
Transactions	G155 Bulk sample packs G157 Bulk undo sample packs
Precondition	The Hospital has been created in PTMVS. A sufficient number of products/packs has been uploaded in PTMVS.
Acceptance criteria	All steps could be successfully completed.
Successfully completed	<input type="checkbox"/> Yes <input type="checkbox"/> No
Packs used	Send file to PTMVO with the packs used.
Defect report reference	
Performed by	


Step	Description	Expected result	Actual result
1	Perform the operation ‘Bulk sample packs’ for the predefined packs. Take a screenshot showing the result.	A confirmation of receipt containing a transaction ID is returned and the operation is successfully completed.	
2	Perform the operation ‘Request bulk transaction result’ by using the transaction ID received in Step 1. Take a screenshot showing the result.	The status of all the packs is INACTIVE (SAMPLE) and the operation is successfully completed.	
3	Wait for 10 days	-	
4	Perform the operation ‘Bulk sample packs’ for the packs used in Step 1. Take a screenshot showing the result.	The status of all the packs is INACTIVE (SAMPLE) and the Undo operation is not possible to complete.	

8.7 Test cases – Download product master data

8.7.1 PTMVS-H-14 Download product master data – 1 code

Description	Test case to verify that the Hospital can download product master data stored in PTMVS.		
Transactions	G101 Download product master data		
Precondition	The Hospital has been created in PTMVS. A sufficient number of products/packs has been uploaded in PTMVS.		
Acceptance criteria	All steps could be successfully completed.		
Successfully completed	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Packs used	Send file to PTMVO with the packs used.		
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Step	Description	Expected result	Actual result
1	Request the download of the product master data for a predefined product. Take a screenshot showing the result.	The product master data is successfully downloaded. The data received is: - Product code - National product code - MAH registration number - List of contracted wholesalers (empty if product code not found).	

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8.7.2 PTMVS-H-15 Download product master data – all codes

Description	Test case to verify that the Hospital can download product master data stored in PTMVS.	
Transactions	G101 Download product master data	
Precondition	The Hospital has been created in PTMVS. A sufficient number of products/packs has been uploaded in PTMVS.	
Acceptance criteria	All steps could be successfully completed.	
Successfully completed	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Packs used	Send file to PTMVO with the packs used.	
Defect report reference		
Performed by		

Step	Description	Expected result	Actual result
1	Request the download of all product master data available in the system. Take a screenshot showing the result.	The product master data is successfully downloaded. The data received is: - Product code - National product code - MAH registration number - List of contracted wholesalers	

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9. Related documents

Document Identification	Title
MVOPT-0035	Defect Report Template
MVOPT-0037	Access Request Form
MVOPT-0039	Access Request Form (PT)
MVOPT-0057	Onboarding of Hospitals
MVOPT-0048	Services Agreement
MVOPT-0049	Services Agreement (PT)
MVOPT-0052	Pilot Report - Hospital