IOQ INSTALLATION OPERATIONAL QUALIFICATION TEST PROTOCOL



DOCUMENT CODE

DOCUMENT VERSION

CUSTOMER

IOQ.QAU.3458

07

AMAZON





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REVISION HISTORY

VERSI	VERSION		
REV.	DATE	AUTHOR	DESCRIPTION
00	16/06/2020	Sergio Parentini	First issue.
01	22/06/2020	Sergio Parentini	Update due to internal review
02	10/07/2020	Sergio Parentini	Updated tests: • IOQ-OQ-002 • IOQ-OQ-003 • IOQ-OQ-004
03	03/08/2020	Sergio Parentini	Update due to internal review
04	05/08/2020	Sergio Parentini	Final updated
05	22/01/2021	Sergio Parentini	 Added: Verification of Amazon Logon Multi-client test scenario Serial Number Download Scenario and Endbatch Serialized Not Aggregated Production Updated Verification of Logon → Verification of TMW Logon
06	18/05/2021	Sergio Parentini	Added: • Multiple printing for unit levels



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07	10/06/2021	Sergio Parentini	IOQ-OQ-002: updated action id numbering IOQ-OQ-004: Updated Steps 3-4, removed steps 5,6,11
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APPROVAL PAGE

ANTARES VISION

Issued by	Role	Signature	Date
Sergio Parentini	Validation Specialist	Sugar Parestin	22/01/2020
Reviewed by	Role	Signature	Date
Silvia Baresi	Quality Manager	Silvie Char.	22/01/2020



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1 PURPOSE

The purpose of the present document is to describe the IOQ activities for the verification of the AV Transparency Kit software system functionalities. This document provides:

- · The responsibilities of review, approval and execution of such protocol,
- · Pre-requisites of the tests,
- The test description, demand/expectation and result evaluation,
- The deviation management.

2 OBJECTIVE

2.1 Configuration Testing

The first part of the protocol consists of providing documented evidence that all devices used in the project have been built, installed and connected according to the Design Specification. In this part it will be confirmed that:

- The documentation of to the system is available,
- The software versions are verified.

2.2 Functional testing

The objective of the second part of the protocol consists of verifying and providing documented evidence that the system works according to Functional Specifications. In particular, the present protocol should include the following kind of tests:

- "Positive test", in order to verify the normal operability of the system,
- "Negative test", in order to verify the behaviour of the system after wrong data is entered, or after the wrong execution of prohibited passages.



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3 REFERENCES

3.1 INTERNAL DOCUMENTS

- Architectural Design Solution Specifications PRJ_00094_AMAZON_TRANSPARENCY
- Amazon AZ Codes Specifications DOC.PMO.147

3.2 REGULATIONS AND GUIDELINES

• Transparency Brand Guidelines Rev2.0



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4 ACRONYMS AND ABBREVIATIONS

ACROYNM	DEFINITION
AV	Antares Vision
FW	Firmware
GTIN	Global Trade Item Number
HW	Hardware
IP	Internet Protocol
IQ	Installation Qualification
NTIN	National Trade Item Number
N/A	Not Applicable
SGTIN	S Global Trade Item Number
SW	Software
QA	Quality assurance
WO	Word Order



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5 SCOPE

Object of the present document is the AV Transparency Kit.

6 RESPONSIBILITIES

Based on the necessary requirements for the execution of the present protocol, the responsibilities of all staff involved in the verification and documentation process are as follows:

Antares Vision Responsibility:

- To prepare the protocol,
- To execute the tests described in the present protocol,
- · To register the data resulting from the tests on the sheets available in the secton of this protocol,
- To manage deviations in agreement with the customer.



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7 RESULT EVALUATION

The testing and the reviewing teams will conclude whether the test action execution has met the demand / expectation or failed to meet the demand / expectation. The agreed result of the test action must be recorded on the related Test Form. At the end of the execution of each Test Action, the actual result (that is the system behaviour after the execution of the action) should be compared with the expression reported in relevant Acceptance Criteria; the box "PASS" in the column "Actual Result" of the Test Script must be checked if the result action matches the expected one, otherwise the box "FAIL" must be checked and a Deviation must be recorded in column "Remarks / Attachment ID / Deviation ID". In the following table the criteria for the evaluation of the results are described:

Result	Description
PASS	Test action successfully completed. All demands / expectations have been
	fulfilled.
FAIL	Incomplete or unsuccessfully completed test. The demands / expectations
	were not met, and re-test was required.

8 DEVIATIONS

In the case of negative result for a test action, one compiled Test Deviation Form (Attachment # 2) will be attached to the test scripts documentation in order to describe and document the deviation and the adopted remedial proceedings.

The Testing Team will fill the first part of the Test Deviation Form, with a brief description and the definition of proposed Corrective Actions aimed to solve the occurred deviation.

Deviations should be coded according to the following rule:

[Test Script code]/DNN

Where:

- D stands for "Deviation",
- NN is a progressive integer number starting from 01.



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The form includes also an evaluation of deviation impact based upon the criteria reported on the following table.

Impact	Description
Critical	A deviation which can produce, or lead to a significant risk to data integrity and product quality. Such deviation <i>inhibits</i> the execution of the following validation phases (blocking deviation) and requires immediate definition, implementation and testing of corrective actions.
Major	Not critical deviation which indicates a failure to meet the system intended use, which <u>does not</u> <u>inhibit</u> the execution of the following validation phases (non-blocking deviations). It requires the definition of suitable corrective action plan with a <u>high priority timeline and follow up actions</u> to be defined within validation Report.
Minor	A deviation which cannot be classified as either critical or major. It may not necessarily affect the quality of the product and may only be a formal issue. Such deviation <u>does not inhibit</u> the execution of the following validation phases (non-blocking deviation). It requires the definition of suitable corrective action plan with a <u>low priority timeline</u> defined within validation Report.

The last part of the Form is the description of the effective activities implemented for solving the deviation. Within this section, information listed shall be recorded:

- Change Request Code (if applicable),
- Test ID of the re-executed test (if applicable),
- "Implemented Corrective Actions/Follow up" activities.

The deviation form should be signed by the Tester and Reviewer.



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9 DOCUMENTATION PROCEDURES

Signed and approved document (before the execution of tests) represents the master of the document. The original (master) document will be left with the customer and a copy shall be delivered to AV. All data must be written/completed using only permanent blue ink.

Test Planning Form (Attachment # 1) should be completed before starting the execution, so that all the staff who has participated in the protocol execution and revision will be identified by name and qualification.

For each action, the "PASS" box has to be checked only if actual result exactly matches relevant expected result, described in the "Acceptance Criteria" relevant column; otherwise "FAIL" box must be checked.

For each action whose result box is "FAIL", Test Deviation Form (Attachment # 2) must be necessarily compiled.

Test evidence must be collected only when the test mandatorily requires the collection of screenshots and when there is a deviation. The required screenshots must be given as an attachment in accordance with the following rules:

- On each document, tester must write Test Script ID, Attachment ID (that is a unique progressive number within each Test Script), date and initials,
- On the Test Script, the Attachment ID must be entered in the relevant field.

Any remark about the action must be recorded in the dedicated sections of the test scripts (Notes/Comments field) indicating in the Remarks/Attachment ID/Deviation ID column on the Test Script the reference to the note explained in the proper section.

Any correction to the written information must be crossed off with a single line, signed and dated by the person performing the correction. All entries must be recorded legibly applying good documentation practices. Any findings and comments will be summarized as appropriate either in the dedicated sections of the test scripts (Notes/Comments field). Deviations from the protocol will be recorded according to the deviation management described in the dedicated form. All the unwritten parts of the forms should be barred, signed and dated by a team member.

When all the actions reported in the Test Script have been performed, Testing Team members must define the test result (Passed/Failed) in the dedicated section (Testing Execution Result) of the Test Script, checking the corresponding box, "PASSED" or "FAILED".

Test results must also be reported in the "Attachment 3: Test Progress Form" where tester must record code, result and date of test in the appropriate fields. Once all the foreseen tests have been executed, the Reviewer



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Team provides an overall evaluation of the testing activities summarized in the Test Progress Form (Attachment # 3). The evaluation is based on the passed/failed tests, the original objectives and related acceptance criteria. The Review Team identifies the risks that may be associated with non-conformances or failures that were encountered.

Following general acceptance criteria must be met in order to consider each Testing phase successfully completed:

- All required verifications have been performed and all corresponding attachments are completed,
- All Deviations have been adequately resolved and approved.

Once all tests have been performed, according to the obtained results, the Testing Team fills in the Testing Report Form (Attachment # 4) checking the "passed" or "failed" box. Any eventual note should be recorded in the dedicated "Note" field.

10 ATTACHMENTS

- Attachment 1: Test Planning Form
- Attachment 2: Test Deviation Form
- Attachment 3: Test Progress Form
- Attachment 4: Testing Report Form



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IOQ TEST PLAN

The IOQ protocol includes the following verifications:

TEST SECTION 1:

Test Case ID	Test Case Description
IOQ-IQ-001	Documentation of the system
IOQ-IQ-002	Verification of components



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TEST SECTION 2:

Test Case ID	Test Case Description
IOQ-OQ-001	Verification of Automatic Amazon Login
IOQ-OQ-002	Verification of AV Transparency Kit logon
IOQ-OQ-003	Work Order creation, editing and visualization (SGTIN)
IOQ-0Q-004	Aggregation, container creation and workorder closure (SGTIN aggregated into SSCC)
IOQ-OQ-005	Aggregation, container creation and workorder closure (AZ code aggregated into SSCC)
IOQ-OQ-006	Item identification, destruction and reprint
IOQ-OQ-007	Multi Client Scenario
IOQ-OQ-008	Serial number Download Scenario and Endbatch
IOQ-OQ-009	Serialized and Not Aggregated Production
IOQ-OQ-010	Multiple printing for unit levels



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11 TEST SECTION 1 - PRE-TEST REQUIREMENTS

This section defines the checks that must be performed before the start of the implementation of the AV Transparency Kit. It also provides a list of actions or documents that must be completed or available prior to the execution of the Protocol.

	Confirmed? Yes No N/A Yes No N/A
Have the valid test users been created?	
	Yes No N/A
Comments:	
Comments:	
Executed by: Da	ate:
Reviewed by:	ate:



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Test ID	IOQ-IQ-001
Test Name	DOCUMENTATION OF THE SYSTEM
Test Objective\Description	The purpose of the following test is to verify the presence of the applicable system documentation.
Test Pre-requisites	None

	IOQ-IQ-001							
Action	Test Action	Acceptance Criteria	Actual Result		Remarks / Attachment ID / Deviation ID			
ID			PASS	FAIL	Remarks / Attachment 10 / Deviation 10			
1	Check the presence of the system APPLICABLE documentation outlined in the "DOCUMENTATION LIST" section in hard copy or in digital format. Indicate "Yes/No" for presence. Document codes / versions should be inserted during the test where available.	All the applicable manuals / documents listed are present.						



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	IOQ-IQ-001					
	DOCUMENTATION LIST					
N°	N° Document Document Code / Version Present					
1	User Manual – Amazon Transparency		☐ Yes ☐ No			



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	IOQ-IQ-001						
DUNI NIO	TESTING EXECUTION RESULT DEVIATION						
RUN N°	TESTING EXECUTION F	RESULT		L	EVIATION		
	PASSED	FAILED	YES	NO	Deviation Code	:	
Notes/Comments:							
	Name		Function		Date	Signature	
Tester							
Reviewer							



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Test ID	IOQ-IQ-002	
Test Name	VERIFICATION OF THE MAIN COMPONENTS OF THE SYSTEM	
Test Objective\Description	The purpose of the following test is to verify presence of the main system components.	
Test Pre-requisites	None	

	IOQ-IQ-002							
Action	Test Action	Acceptance Criteria	Actual	Result	Remarks / Attachment ID / Deviation Code			
ID			PASS	FAIL	Remarks / Attachment ID / Deviation Code			
1	Visually confirm the presence of the system components listed below. Indicate a "Yes/No" result for component presence and note the ID or serial number when available.	 All the components listed are present, All available serial numbers are noted. 						



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	IOQ-IQ-002						
	Main Components						
AV Code	Components	ID/Serial No(*)	Present				
PE003835	LAPTOP PC 4GB 15.6" 500GB WIN10 A6-9225		☐ Yes ☐ No				
PE003836	PRINTER ZD220 ZEBRA 203 DPI US		☐ Yes ☐ No				
PE000319, PE000321, PE000260, PE002127	DATALOGIC WIRED HANDSCANNER		□ Yes □ No				
PE003848	RIBBON 64mm x 74m WAX 5319		☐ Yes ☐ No				
PE003847	LABEL 32mm x 25mm (1.25" X 1") ROLL 2580 CT		□ Yes □ No				



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	IOQ-IQ-002					
RUN N°	TESTING EXECUTION RESULT		DEVIATION			
	PASSED	FAILED	YES	NO	Deviation Code	:
Notes/Commer	nts:					
	Name		Function		Date	Signature
Tester						
Reviewer						



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12 TEST SECTION 2 - PRE-TEST REQUIREMENTS

This section defines the checks that must be performed before the execution of the basic functional tests. It also provides a list of actions or documents that must be completed and available before the execution of the protocol.

Pre-requirements			
Requirements	Confirmed?		
Has "Test Section 1" of the protocol been concluded positively?	☐ Yes ☐ No ☐ N/A		
Have all deviations of "Test Section 1" been closed? If not; have appropriate remediation actions been in place?	Yes No N/A		
Is the system configured and up and running?	☐ Yes ☐ No ☐ N/A		
Are there good Sgtin and Amazon codes available to use for testing?	☐ Yes ☐ No ☐ N/A		



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Comments:	
Executed by:	Date:
Reviewed hv	Date:



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Test ID	IOQ-OQ-001
Test Name	VERIFICATION OF AMAZON LOGON
Test Objective\Description	Verification of security access to the system to Amazon in order to acquire the token to access TMR
Test Pre-requisites	 User Name: the user <u>does not</u> have an Amazon token to access the AV Transparency Kit yet Amazon credentials to acquire the AV Transparency Kit access token System running and configured

	IOQ-OQ-001				
Action	Action		Actual Result		Domonico / Attachment ID / Deviation ID
ID	Test Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID
1	Access the AV Transparency Kit Login page and enter user's correct User ID in the "Username" field and a wrong password in the "Password" field and confirm the operation by clicking on "Login" button.	The system automatically redirects the user to the Amazon access page.			



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	IOQ-OQ-001				
Action	Test Action	Acceptance Criteria	Actual Result		Domonico / Attochmont ID / Doviction ID
ID	rest Action		PASS	FAIL	Remarks / Attachment ID / Deviation ID
2	Enter the correct credentials in the Amazon page	The system allows the operation and returns the user to AV Transparency Kit Home page, already logged in.			
3	Logout of the AV Transparency Kit and Log back in	The system allows the operation, the system does not redirect the user to the Amazon credentials page because token is present and valid			



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			IOQ-0Q-001			
RUN N°	TESTING EXECUTION F	RESULT		DEVIATION		
	PASSED	FAILED	YES	10	Deviation Code	:
Notes/Commer	Notes/Comments:					
	Name		Function		Date	Signature
Tester						
Reviewer						



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Test ID	IOQ-OQ-002
Test Name	VERIFICATION OF LOGON
Test Objective\Description	Verification of security access to the system
Test Pre-requisites	- User Name: the user has valid token to access TMW - System running and configured

	IOQ-0Q-002						
Action	Test Action	Acceptance Cuitavia	Actual Result		Domonics / Attachmont ID / Doviction ID		
ID	rest Action	Acceptance Criteria	PASS	PASS FAIL Remarks / Attachment ID / Deviation	Remarks / Attachment ID / Deviation ID		
1	Access the AV Transparency Kit Login page and enter a string containing any type of characters in the "Username" field and the user's correct password in the "Password" field and confirm the operation by clicking on the "Login" button.	The system displays a "WARNING: Wrong username or password" message					



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	IOQ-OQ-002					
Action	Test Action	A Ouiti	Actual Result			
ID	lest Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID	
2	Enter the user's correct User ID in the "Username" field and a wrong password in the "Password" field and confirm the operation by clicking on "Login" button.	The system displays a "WARNING: Wrong username or password" message.				
3	Enter the user's correct User ID in the "Username "field but leave the password field blank and confirm the operation by clicking on "Login" button.	The system displays a "WARNING: Wrong username or password" message.				
4	Enter the correct User ID and Password in the appropriate fields and confirm the operation by clicking on "Login" button.	The system allows access to the Main Menu.				
5	Click on the "Settings" button in the top right-hand corner of the Main Menu.	The system displays the "Settings" window with the current language set and the Username of the user currently logged in. The username matches the username typed during login.				
6	Click on the "Logout" button and Confirm.	The system logs the user out and displays the AV Transparency Kit Login page.				



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	IOQ-0Q-002					
Action	Test Action	Acceptance Criteria	Actual Result		Remarks / Attachment ID / Deviation ID	
ID	rest Action	Acceptance Citteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID	
7	Enter the correct User ID and Password in the appropriate fields and click on the "eye" icon in the password field.	The password entered is now visible.				



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	IOQ-0Q-002					
RUN N°	TESTING EXECUTION F	RESULT	DEVIATION			
	PASSED	FAILED	YES	NO	Deviation Code	e:
Notes/Commen	Notes/Comments:					
	Name		Function		Date	Signature
Tester						
Reviewer						_



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Test ID	IOQ-OQ-003
Test Name	WORK ORDER CREATION, EDITING AND VISUALIZATION (SGTIN)
Test Objective\Description	Verification of work order creation and editing
Test Pre-requisites	- User Name: At least 4 work orders already available in the list



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	IOQ-OQ-003						
Action	T		Actua	Result			
ID	Test Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID		
1	Login to the system with the correct username and password.	The system displays the Main Menu					
2	Click on the "Workorder List" menu button	The system displays the Workorder list page					
3	Click on the "Create New Workorder" button.	The system displays the Create Work Order page and a WorkOrder ID field with a pre-filed work order code. The system displays a Formats section with default formats for the item/container types. The system displays a Variable Data section that includes the following fields: Label dispensed with each print Ship to Facility Type Manufacturing Location Packaging Line					



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	IOQ-OQ-003							
Action	T . A .:		Actua	Result				
ID	Test Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID			
4	Toggle on the "Show Advanced Options"	The system displays following fields:						
5	Click on the "Save Changes" button	The "labels dispensed each print" field is highlighted in red and the system does not allow the operation						
6	Click on the "Cancel Changes and go back" button	The system returns to the Work Order list page and the work order is not saved						
7	Click on the "Create New Workorder" button	The system displays the Create Work Order page and a WorkOrder ID field with a pre-filed work order code.						



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	IOQ-OQ-003							
Action	T . A .:		Actua	Result				
ID	Test Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID			
8	Click on the "WorkOrder ID" field and modify the ID to TESTWO .	The system allows the operation						
9	Toggle on the "Show Advanced Options"	The system displays following fields:						
10	Click on the "calendar" button in the "Manufactured" field and choose a date	The system allows the operation and display the date in the field						
11	Click on the "calendar" button in the "Expiry" field and choose a date	The system allows the operation and display the date in the field						



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	IOQ-OQ-003							
Action	Test Action	Acceptance Criteria	Actual Result					
ID			PASS	FAIL	Remarks / Attachment ID / Deviation ID			
12	Click on the Lot field and choose "New Lot" from the drop-down list and enter a lot name in field below	The system allows the operation						
13	Enter all the remaining fields and click on the "Save Changes" button	The system displays a "Word Order TESTWO created with success" info message. The work order TESTWO displays all the information entered in the previous steps.						
14	Click on the "Edit Work Order" button and change the "Manufactured" field date later then the "Expiry" field date	The "Expiry" field is now blank highlighted in red						
15	Select an expiry date equal to or later than the manufacture date and click on the "Save Work Order" button	The system allows the operation						



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	IOQ-OQ-003							
Action	Test Action	A 2 !! !	Actual	Result	Daniela / Attacker and ID / Danielian ID			
ID	Test Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID			
16	Click on the "Work Order List" menu button and then on the "Refresh" button and then search of the TEST WO in the search bar	The system filters and displays the system displays TESTWO						
17	Click on TESTWO and click on the "Work Order Details" button	The system displays the details of TESTWO with the data previously entered						
18	Click on the "Work Order List" menu button and then on the "Create Work Order" button	The system displays the Create Work Order page and a WorkOrder ID field with a pre-filed work order code						
19	Copy the same data of TESTWO into the work order in creation and click on the "Save Work Order" button	The system displays an "Workorder DbKey already in use" error message						



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	IOQ-OQ-003					
Action	tion Test Action Acceptance Criteria Actual Result		Remarks / Attachment ID / Deviation ID			
ID	Test Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID	
	Change the WordOrder ID code and click on the "Save Work Order" button	The system allows the operation and allows to have the same lot name but with a different WordOrder ID				



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	IOQ-OQ-003					
RUN N°	TESTING EXECUTION F	RESULT		[DEVIATION	
	PASSED	FAILED	YES	NO	Deviation Code	:
Notes/Commer	Notes/Comments:					
	Name		Function		Date	Signature
Tester						
Reviewer						



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Test ID	IOQ-0Q-004	
Test Name	AGGREGATION, CONTAINER CREATION AND WORKORDER CLOSURE (SGTIN AGGREGATED INTO SSCC)	
Test Objective\Description	Verification of aggregation, container creation and workorder closure for Sgtin and Sscc codes	
Test Pre-requisites	 User Name:	

	IOQ-OQ-004				
Action	Test Action	Acceptance Criteria	Actual	Result	Remarks / Attachment ID / Deviation ID
ID	Test Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment 10 / Deviation 10
1	Login to the system with the correct username and password.	The system displays the Main Menu			



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	IOQ-OQ-004				
Action	Test Action	Actual Result		Result	Remarks / Attachment ID / Deviation ID
ID	Test Action	Acceptance Criteria	PASS FAIL		Remarks / Attachment ID / Deviation ID
2	Click on the "Workorder List" menu button	The system displays the Workorder list page with existing work orders.			
3	Click on TEST SGTIN WO and then click on the "Start Aggregation" button and on then on the "Case" button	The system displays the "Create Container" page			
4	Manually type in a code that does not follow the Sgtin pattern in the input bar and click on the "Add read code" button	They system displays an "unable to parse fullcode: [code]" error message			
5	Scan a code that does not follow the Sgtin pattern input bar	They system displays an "unable to parse fullcode: [code]" error message			
6	Scan the code of ITM1	The system adds the code to the list. The number items added to container increments by 1.			



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	IOQ-OQ-004				
Action	Test Action	Acceptones Critoria	Actual Result		Remarks / Attachment ID / Deviation ID
ID	rest Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID
7	Scan ITM1 again	The system displays a "The item is already in list" error message			
8	Click on the "Cancel aggregation" button	The system displays the following prompt "Are you sure you want to cancel aggregation? 1 item will be removed"			
9	Click on the "Ok" button	The system displays the "Container emptied with success" information message. The system remains in the Create Container page and the number of items added to the container is equal to 0			
10	Scan ITM1, ITM2, ITM3, ITM4	The system adds the codes to the list. The number items added to container equals to 4.			
11	Remove ITM1 by clicking on the "X" button next to the serial number and confirm	The system correctly removes ITM1 from the list. ITM2, ITM3, ITM4 are still in the list. The number items added to container equals to 3.			



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	IOQ-OQ-004					
Action	Test Action	A Ouit-ui-	Actual Result		Remarks / Attachment ID / Deviation ID	
ID	rest Action	Acceptance Criteria	PASS FAIL		Remarks / Attachment ID / Deviation ID	
12	Scan C1	The system displays an "error occurred while adding the item: invalid item type found"				
13	Scan the code of ITM1	The system adds the code to the list. The number items added to container equals to 4.				
14	Click on the "Print Label" button	The system displays a "Label printed successfully" information message. The system displays and prints the case label code C2 for the aggregated items ITM1, ITM2, ITM3, ITM4.				
15	Click on "Print Label" button again	The system displays an "Are you sure you want to reprint label " info message				



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	IOQ-0Q-004					
Action	To as A salion	Accomtonica Oritoria	Actual Result		Domonico / Atto ohmont ID / Doviction ID	
ID	Test Action	Acceptance Criteria	PASS FAIL		Remarks / Attachment ID / Deviation ID	
16	Click on the "Ok" button	The system displays and reprints the case label code C2 with the same SSCC				
17	Scan the code of C1	The system displays and "Unable to find any aggregation with parent code: [container code]"				
18	Scan the code of C2	The system displays a "Container Closed with success: [container code]"				
19	The system displays the Create Container page ready for a new container to be build. Click on the "Identify" menu button.	The system displays the "Identify" page				



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	IOQ-OQ-004					
Action	Total Antion	Accounts on a Chitaria	Actual Result		Remarks / Attachment ID / Deviation ID	
ID	Test Action	Acceptance Criteria	PASS FAIL		Remarks / Attachment ID / Deviation ID	
20	Scan the C2 code	The system displays C2 in Verified status and ITM1 , ITM2 , ITM3 , ITM4 in the children list.				
21	Click on the "Workorderlist" menu and select TEST SGTIN WO and then click on the "Close work order" button	The system displays a "Are you sure you want to close the workorder TEST SGTIN WO? If you proceed you won't be able to re-open the work order again" confirmation message				
22	Click on the "Ok" button	The system displays a "Work order closed with success" info message				
23	Click on an available test work order and then click on the "Start Aggregation" button and on the "Case!" button Click on an available test work order and then click on the "Start Aggregation" button and on the "Case!" button					
24	Scan or manually type an available AZ code	They system displays an "unable to parse fullcode: [code]" error message				
25	Click on the "Workorder" list and select TEST SGTIN W02 and click on the "Print Labels" button	The system displays the data of the Work Order and requires a number of labels to print				



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	IOQ-OQ-004					
Action	T	A Outh	Actual Result		Demonto / Attackmont ID / Deviction ID	
ID	Test Action	Acceptance Criteria	PASS FAIL		Remarks / Attachment ID / Deviation ID	
26	Type in 4 in the "Number of labels to produce" field and click on the printer button	The system correctly prints 4 Unit labels. The Unit label codes are displayed				
27	On the same pages, type in 2 and click on the printer button	The system correctly prints the other 2 unit labels. The 2 new Unit label codes are added to the previous list of 4 making a total of 6 Unit label codes				
28	Click on the "Work List" button and select TEST SGTIN WO2 and click on the "Start Aggregation" button and click on the "Case" button	The system displays the "Create Container" page				
29	Scan all of the Unit label codes printed previously	The system adds the codes to the list				
30	Scan ITM1 from the C2 case	The system displays an a "Validation failed with Item: [container code] is belonging to another aggregation"				
31	Click on the "Print Label" button	The system displays a "Label printed successfully" information message. The system displays and prints the case label code C3 for the aggregated item.				
32	Scan the code of C3	The system displays a "Container Closed with success: [container code]"				



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	IOQ-OQ-004					
Action	Total Antion	A	Actual Result		Remarks / Attachment ID / Deviation ID	
ID	Test Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID	
33	The system displays the Create Container page ready for a new container to be build. Click on the "Identify" menu button.	The system displays the "Identify" page				
34	Scan the C3 code	The system displays C3 in Verified status and 6 items in the children list.				



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	IOQ-OQ-004						
RUN N°	TESTING EXECUTION R	RESULT	DEVIATION				
	PASSED	FAILED	YES	NO	Deviation Code	::	
Notes/Comments:							
	Name		Function		Date	Signature	
Tester							
Reviewer							



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Test ID	IOQ-OQ-005			
Test Name	AGGREGATION, CONTAINER CREATION AND WORKORDER CLOSURE (AZ CODE AGGREGATED INTO SSCC)			
Test Objective\Description	Verification of aggregation, container creation and workorder closure for AZ codes and Sscc codes			
Test Pre-requisites	 User Name:			

	IOQ-OQ-005						
Action	Test Action	Acceptance Criteria	Actual Result		Remarks / Attachment ID / Deviation ID		
ID			PASS	FAIL	Remarks / Attachment ID / Deviation ID		
1	Login to the system with the correct user name and password.	The system displays the Main Menu					
2	Click on the "Workorder List" menu button	The system displays the Workorder list page with existing work orders.					



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	IOQ-OQ-005							
Action	Took Action	A Outhout	Actual Result		December (Assert Leaves ID (December 12)			
ID	Test Action	Acceptance Criteria	PASS FAIL		Remarks / Attachment ID / Deviation ID			
3	Click on TEST AZ WO and then click on the "Start Aggregation" button and then on the "Case" button	The system displays the "Create Container" page						
4	Manually type in a code that does not follow the AZ code pattern in the input bar and click on the "Add read code" button	They system displays an "Unable to parse fullcode: [code]"						
5	Scan a code that does not follow the AZ code pattern input bar	They system displays an "Unable to parse fullcode: [code]"						
6	Scan the code of ITM1	The system adds the code to the list. The number items added to container increments by 1.						
7	Scan ITM1 again	The system displays a "The item is already in list" error message						
8	Click on the "Cancel aggregation" button	The system displays a "Are you sure you want to cancel aggregation? 1 item will be removed" confirm message						



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	IOQ-0Q-005						
Action	Total Autom	Acceptance Criteria	Actual Result		Downster / Attackment ID / Doviction ID		
ID	Test Action		PASS	FAIL	Remarks / Attachment ID / Deviation ID		
9	Click on the "Ok" button	The system displays the "Container emptied with success" information message. The system remains in the Create Container page and the number of items added to the container is equal to 0					
10	Scan ITM1, ITM2, ITM3, ITM4	The system adds the codes to the list. The number items added to container equals to 4.					
11	Remove ITM1 by clicking on the "X" button next to the serial number and Confirm	The system correctly removes ITM1 from the list. ITM2, ITM3, ITM4 are still in the list. The number items added to container equals to 3.					
12	Scan C1	The system displays an "error occurred while adding the item: invalid item type found"					



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	IOQ-OQ-005						
Action	Total Autom		Actual Result				
ID	Test Action	Acceptance Criteria		FAIL	Remarks / Attachment ID / Deviation ID		
13	Scan the code of ITM1	The system adds the code to the list. The number items added to container equals to 4.					
14	Click on the "Print Label" button	The system displays a "Label printed successfully" information message. The system displays and prints the case label code C2 for the aggregated items ITM1, ITM2, ITM3, ITM4.					
15	Click on "Print Label" button again	The system displays an "Are you sure you want to reprint label " info message					
16	Click on the "Ok" button	The system displays and reprints the case label code C2					



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	IOQ-OQ-005						
Action			Actual Result				
ID	Test Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID		
17	Scan the code of C1	The system displays and "Unable to find any aggregation with parent code: [container code]"					
18	Scan the code of C2	The system displays a "Container Closed with success: [container code]"					
19	The system displays the Create Container page ready for a new container to be build. Click on the "Identify" menu button.	The system displays the "Identify" page					
20	Scan the C2 code	The system displays C2 in Verified status and ITM1 , ITM2 , ITM3 , ITM4 in the children list.					



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	IOQ-OQ-005						
Action			Actual Result				
ID	Test Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID		
21	Click on the "Work List" button and select on TESTAZWO and then click on the "Close work order" button	The system displays a "Are you sure you want to close the workorder TESTAZWO? If you proceed you won't be able to reopen the work order again" confirmation message					
22	Click on the "Ok" button	The system displays a "Work order closed with success" info message					
23	Click on an available test work order and then click on the "Start Aggregation" button	The system displays the "Create Container" page					
24	Scan or manually type an available Sgtin code	They system displays an "unable to parse fullcode: [code]" error message					
25	Click on the "Work List" button and select TESTAZWO2 and click on the "Start Aggregation" button and click on the "Case" button	The system displays the "Create Container" page					
26	Scan ITM1 from the C2 case	The system displays an a "Validation failed with Item: [container code] is belonging to another aggregation"					



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IOQ-OQ-005								
RUN N°	TESTING EXECUTION R	RESULT	DEVIATION					
	PASSED	FAILED	YES	NO	Deviation Code	o:		
Notes/Commen	Notes/Comments:							
	Name		Function		Date	Signature		
Tester					_			
Reviewer								



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Test ID	IOQ-0Q-006
Test Name	ITEM IDENTIFICATION, DESTRUCTION AND REPRINT
Test Objective\Description	Verification item identification
Test Pre-requisites	 User Name: A container C1 in Verified status containing 4 items: ITM1, ITM2, ITM3, ITM4



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	IOQ-0Q-006						
Action	Test Action	Acceptance Critoria	Actual Result		Remarks / Attachment ID / Deviation ID		
ID	ID Test Action Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID			
1	Login to the system with the correct user name and password.	The system displays the Main Menu					
2	Click on the "Identify" menu button	The system displays the Identify page					
3	Manually type a random code in the input bar that does not exist in the database and click on the "Add read code" button	They system displays an "unable to parse fullcode: [code]" error message					



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IOQ-OQ-006					
Action		A	Actual Result		Demonto / Attachment ID / Deviction ID
ID	Test Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID
4	Scan a random code in the input bar that does not exist in the database	They system displays an "unable to parse fullcode: [code]" error message			
5	Scan the C1 code	The system displays the following Item information:			



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	IOQ-OQ-006						
Action	Test Action	Accoutomos Critorio	Actual Result		Remarks / Attachment ID / Deviation ID		
ID	rest Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID		
6	Click on ITM1	The system displays the following Item information: Barcode Read Ntin Serial Type Status (Packed) Coding Rule Parent Ntin Parenti Serial					
7	Click on the "Reprint Item Label" button	The system displays a "Label printed successfully" information message and print ITM1 label					
8	Scan the reprinted label of ITM1	The system displays the ITM1 information					
9	Try to click on the "Cancel aggregation" button (X button)	The system doesn't now allow the operation					



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	IOQ-OQ-006						
Action	Test Action	Acceptance Critoria	Actual Result		Remarks / Attachment ID / Deviation ID		
ID	ID Test Action Acceptance Criteria		PASS	FAIL	Remarks / Attachment ID / Deviation ID		
10	Click on the "Show Parent Details" button	The system returns to C1 displaying the item information					
11	Click on the "Reprint Item Label" button	The system displays a "Label printed successfully" information message and print C1 label					
12	Scan the reprinted label of C1	The system displays the C1 information					
13	Click on the "Cancel Aggregation" button	The system displays a "Are you sure you want to destroy the aggregation" information message					
14	Click on the "Ok" button	The system displays an "Aggregation destroyed correctly" information message					



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	IOQ-OQ-006					
Action	Test Action	Acceptance Critoria	Actual Result		Domonico / Attockment ID / Deviction ID	
ID	rest Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID	
	The system displays C2 in Rejected status. Scan ITM1, ITM2, ITM3, ITM4	All 4 items are in Verified status				



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	IOQ-OQ-006					
RUN N°	TESTING EXECUTION R	ESULT	DEVIATION			
	PASSED	FAILED	YES	NO	Deviation Code	:
Notes/Commen	Notes/Comments:					
	Name		Function		Date	Signature
Tester						
Reviewer						



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Test ID	IOQ-OQ-007	
Test Name	MULTI CLIENT SCENARIO	
Test Objective\Description	The test verifies that users see only GTINs/Products/Serials of their specific plant.	
Test Pre-requisites	 User Name A:	

	IOQ-OQ-007					
Action	Test Action	Acceptance Criteria	Actual	Result	Remarks / Attachment ID / Deviation ID	
ID	rest Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID	
1	Login to the system with the correct username and password for User A.	The system displays the Main Menu				
2	Click on the "Workorder List" menu button	The system displays the Workorder list page				



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	IOQ-0Q-007					
Action	T	A	Actual Result			
ID	Test Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID	
3	Take note of the workorder present in the "Workorder List".	The workorders are taken note of and they are specific to Plant A				
4	Logout of the system and Login to the system with the correct username and password for User B	The system displays the Main Menu				
5	Click on the "Workorder List" menu button	The system displays the Workorder list page				
6	Take note of the workorder present in the "Workorder List" and verify that they are different from Plant A's workorders and that they are specific to Plant B	The workorders are taken note of and they are different from Plant A's workorders and they are specific to Plant B				
7	Access ATS4 with User A and access the Plant Configuration → NTIN definition and take note of the NTINs available, go into Materials and take note of the Recipes	The data is taken note of				



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	IOQ-0Q-007					
Action	tion Table 1	Actual Result		Danielle / Assarbus and ID / Danielian ID		
ID	Test Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID	
8	Repeat Action ID 7 accessing ATS4 with User B. Compare the NTINs and Recipes with the ones noted for User A and verify that they are Plant specific.	The data available to User A and B is different				



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			IOQ-0Q-007			
RUN N°	TESTING EXECUTION R	RESULT	DEVIATION			
	PASSED	FAILED	YES	NO	Deviation Code	e:
Notes/Commer	Notes/Comments:					
	Name		Function		Date	Signature
Tester						
Reviewer						



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Test ID	IOQ-OQ-008
Test Name	SERIAL NUMBER DOWNLOAD SCENARIO AND ENDBATCH
Test Objective\Description	The test verifies that the system correctly requests serials when needed and communicated the endbatch message to amazon on work order closure
Test Pre-requisites	 User Name A:



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	IOQ-OQ-008					
Action	Test Action	Accustones Critorio		Remarks / Attachment ID / Deviation ID		
ID	rest Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID	
1	Access ATS4 with User A and access the Plant Configuration → NTIN definition page and create a new NTIN with serial generation external. Access the Plant Configuration → Pools page and set a minimum of 10 and maximum of 100 as replenishment threshold binded to the NTIN and the system automatically replenished the serial number pool. Check that that there is a Serial request in Notificaitons → Message History-	The system correctly replenishes the serials for the created NTIN				
2	Repeat Action ID 2 with User B but simulate the invalidity of the Amazon authentication token for User B in order to verify that the serial replenishment process does not trigger.	The system does not trigger the serial replenishment process for the created NTIN				



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IOQ-OQ-008					
Action	Test Action	Acceptance Cuitoria	Actual Result		Remarks / Attachment ID / Deviation ID
ID		Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID
3	Access the AV Transparency Kit with User A and close and available work order	The system allows the operation			
4	Access ATS4 with User A and access the Notifications → Notifications to L5 and verify that the Closed Work Order in Action ID 3 has status Notified	The work order is correctly notified			
5	Repeat Action ID 3 with User B but simulate the invalidity of the Amazon authentication token for User B in order before closing the Work Order and then close the Work Order	The system allows the operation			
6	Access ATS4 with User A and access the Notifications → Notifications to L5 and verify that the Closed Work Order in Action ID 3 has status Error	The system has not sent the Endbatch massage to Amazon and has not received a positive outcome response			



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	IOQ-OQ-008					
Action ID	Test Action	Accordance Oritoria	Actual Result		Remarks / Attachment ID / Deviation ID	
		Acceptance Criteria F		FAIL	Remarks / Attachment ID / Deviation ID	
7	Validate the authentication token for User B go into Notifications → Notifications to L5 and reprocess the notification. Verify that the Endbatch massage is sent correctly to Amazon with status Notified	The Endbatch message is correctly sent to Amazon once the authentication token is revalidated				



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	IOQ-OQ-008					
RUN N°	TESTING EXECUTION F	RESULT	DEVIATION			
	PASSED	FAILED	YES	10	Deviation Code	::
Notes/Comments:						
	Name		Function		Date	Signature
Tester						
Reviewer						



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Test ID	IOQ-OQ-009			
Test Name	SERIALIZED NOT AGGREGATED PRODUCTION			
Test Objective\Description	The test verifies that the system can handle a serialized not aggregated production correctly			
Test Pre-requisites	 User Name:			

	IOQ-OQ-009						
Action	Test Action	Acceptance Criteria	Actual Result		Remarks / Attachment ID / Deviation ID		
ID			PASS	FAIL	Remarks / Attachment ID / Deviation ID		
1	Login to the system with the correct username and password. Access the work order list and select the NOTAGGWO prerequisite work order and print some lables	The system allows the operation and prints the serialized not aggregated labels					
2	Close the NOTAGGWO prerequisite work order. Go into the identify page and scan one of the lables printed in the previous step.	The system displays the item's details with status Verified					



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	IOQ-OQ-009						
Action	T-14.		Actual Result		Daniella / Assarbus ant ID / Danielian ID		
ID	Test Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID		
3	Access ATS4 with and access the Notifications → Notifications to L5 and verify that the Closed Work Order in Action ID 2 has status Notified	The work order is correctly notified					



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	IOQ-OQ-009							
RUN N°	TESTING EXECUTION F	RESULT		D	EVIATION			
	PASSED	FAILED	YES	NO	Deviation Code	:		
Notes/Commer	Notes/Comments:							
	Name		Function		Date	Signature		
Tester								
Reviewer								



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Test ID	IOQ-OQ-010			
Test Name	MULTIPLE PRINTING FOR UNIT LEVELS			
Test Objective\Description	The test verifies that the system print multiple labels for unit levels			
Test Pre-requisites	 User Name:			

	IOQ-OQ-010						
Action	Test Action	At	Actual Result		Demonto / Attachment ID / Deviation ID		
ID	rest Action	Acceptance Criteria	PASS	FAIL	Remarks / Attachment ID / Deviation ID		
4	Login to the system with the correct username and password. Access the work order list and select the WOB prerequisite work order enter 3 labels to produce and print	The system allows the operation and prints 3 labels					



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	IOQ-OQ-010					
Action			Actual Result		Damanka / Attachmant ID / Davietica ID	
ID		PASS	FAIL	Remarks / Attachment ID / Deviation ID		
5	Enter 4 labels to produce and print	The system rounds up to 6 and prints 6 labels				
6	Enter 8 labels to produce and print	The system rounds up to 9 and prints 9 labels				
7	Access the work order list and select the WOA prerequisite work order enter 3 labels to produce and print	The system only prints 1 label				



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IOQ-OQ-010							
RUN N°	TESTING EXEC						
	PASSED	FAILED	YES	NO	Deviation Code:		
Notes/Comments:							



TEST PLANNING FORM

ATTACHMENT 1

Test Protocol Code		Version		(*) Page _	of		
TEST PLANNING FORM							
Testing Team							
Name	Function/Organization		Signature		Initials		
	Review Team						
Name	Function/Organization		Signature		Initials		

^(*) Duplicate if necessary



TEST DEVIATION FORM

ATTACHMENT 2

TEST DEVIATION FORM								
Protocol Co	ode			,	Version		Test ID	
Deviation C	viation Code				Run N°		Action ID	
			DE	VIATI	ION DESCRIPTION	ON		
			Droown	NDE	D CORRECTIVE	Actionic		
			RECOMME	NUE	D CORRECTIVE	ACTIONS		
	Name		Functio	n/O	rganization	Date	Signa	ture
Tester								
Reviewer	eviewer							
, , ,			GxF	РІМЕ	PACT EVALUATI	ION		
Impact	Impact CRITICAL				MA	JOR	MIN	OR
			IMPLEME	NTED	CORRECTIVE A	ACTIONS		
	Nama		F	- /0-		Data	Ci-m-	
D	Name		Function	n/UI	rganization	Date	Signa	iture
Reviewer								
Deviation Closure								
Changes Implemented YES NO				NA	CC code			
Re-executed Test YES NO			0	NA	Test Code			
FOLLOW UP ACTIONS (IF ANY)								
	Name		Eupotio	n/∩•	rganization	Date	Ciana	ituro
Doviewer	Ivaine	ame Function/Organization				Date	Signa	itule
Reviewer								



TEST PROGRESS FORM

ATTACHMENT 3

Document Code				Version		(*) Page _	of	
TEST PROGRESS FORM								
		Run 1		Run 2		Run 3		
Test ID			Dev. #		Dev. #		Dev. #	
	Date							
	Result							
	Date							
	Result							
	Date							
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	Result						_	
	Date							
	Result							

(*) Duplicate if necessary

	Name	Function/Organization	Date	Signature
Tester				
Reviewer				



TESTING REPORT FORM

ATTACHMENT 4

Document Code		Version						
TESTING REPORT FORM								
Based upon the results collected during the above selected test examination, the testing session defined in the Protocol version is considered as:								
PASSED FAILED								
Notes:								
Function	Name	Date		Signature				
, unouon	Traine			org.nataro				