

ENWL QUEST 3.7.2 Project

FAT Testing Report

Project Documentation

Version: 0.1 Date: May - 2023

Table of Contents

RE	VISION HISTORY	.4
TE	RMS AND ABBREVIATIONS	.5
1.	OVERVIEW	.6
2.	FAT	.6
	2.1 Test Cases	7

Table of Figures

Figure 1: FAT test cases chart by execution results	7
Table 1 - Environment specification	6
Table 2 - Test Case Execution Results	7

REVISION HISTORY

Version	Authors	Date	Comments
0.1	Veljko Rudan	May - 2023	Initial Version

Document Authorization

Name	Role	Signature	Date
Veljko Rudan	Test Manager		
Steward Godfrey	Test Manager		

TERMS AND ABBREVIATIONS

Term	Description
ADMS	Advanced Distribution Management System
RTM	Requirement Traceability Matrix
SE	Schneider Electric
ENWL	Electricity North West Ltd
FAT	Factory Acceptance Test
IR	Issue Resolution
TBD	To Be Determined
TestLink	Test management Tool
Defect Tracking Tool	Bugzilla

1. OVERVIEW

The purpose of this document is to present results of the Factory Acceptance Test (FAT) conducted by ENWL QUEST personal from 18-April-2023 to 25-April-2023. SE provided support during the implementation of FAT.

The testing was run by previously defined test plan of 64 test cases, which covered verification of ENWL QUEST functionalities.

In this document, overall test plan statistics, including reported issues information and test case execution details, is provided.

The aim of this Test Report is to inform ENWL QUEST of the completion and outcome of the FAT activity.

2. FAT

The activity commenced after the system installation, deployed into ENWL QUEST virtual machine.

Environment	Data
System	QUEST NS Virtual machine
SCADA version	SCADA_ENWL_REL_1.7.100 + HE 1.7.100.390
DMS Version	HF1390
Project Extension	HF19

Testing was conducted on ENWL QUEST environment.

Table 1 - Environment specification

2.1 TEST CASES

The test plan contained 64 test cases.

Table 2 below shows test case execution results.

Module	#Tests	Pass	Fail	Blocked	Skipped	Not Run	Progress%	Pass Rate%
QUEST Simulation	1	1	0	0	0	0	100%	100%
QUEST Triggers	6	5	1	0	0	0	100%	83%
CLASS Enhancements	4	4	0	0	0	0	100%	100%
QUEST Operations in Real Time	35	34	1	0	0	0	100%	97%
QUEST Configuration	10	10	0	0	0	0	100%	100%
QUEST Control & Monitoring	3	1	2	0	0	0	100%	33%
Emergency SYSCONs	5	3	2	0	0	0	100%	60%
Total:	64	58	6	0	0	0	100%	91%

Table 2 - Test Case Execution Results

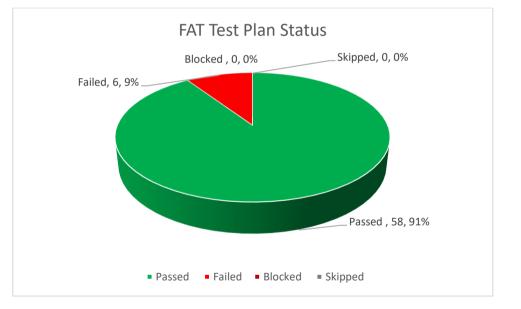


Figure 1: FAT test cases chart by execution results

In table below there is a list of all test cases with execution results.

Test Project	•	ENWL Quest	
Test Plan		<u>FAT Test</u> <u>Plan</u>	
Test Suite	Test Case	Priority	FAT

QUEST / QUEST Simulation	Quest-99:QUEST Simulation - Simulate Actions on As-Operated Network	Medium	Passed
QUEST / QUEST Triggers	Quest-100:QUEST RT Coordination - QUEST Trigger - On BSP TSF disablement		Passed
QUEST / QUEST Triggers	Quest-101:QUEST RT Coordination - QUEST trigger - Triggering on change of the profile in use		Passed
QUEST / QUEST Triggers	Quest-102:QUEST RT Coordination - QUEST trigger - Periodic triggering	Medium	Passed
QUEST / QUEST Triggers	Quest-103:QUEST RT Coordination - QUEST trigger - Triggering after CLASS functions became inhibited on a primary substation		Failed
QUEST / QUEST Triggers	Quest-104:QUEST RT Coordination - QUEST trigger - Triggering after a primary substation is declared as Test in CLASS		Passed
QUEST / QUEST Triggers	Quest-105:QUEST RT Coordination - QUEST Trigger - On BSP TSF enablement		Passed
QUEST / CLASS Enhancements	Quest-111:CLASS Enhancements - Additional levels of Demand Reduction		Passed
QUEST / CLASS Enhancements	Quest-112:CLASS Enhancements - Tap Stagger Functionality on a BSP level	Medium	Passed
QUEST / CLASS Enhancements	Quest-113:CLASS Enhancements - Long Term Forecast extended for all DR and DB levels		Passed
QUEST / CLASS Enhancements	Quest-114:CLASS Enhancements - CLASS Scheduler DB target definition		Passed
QUEST / QUEST Operation in Rea Time	llQuest-115:QUEST RT Coordination - CLASS DB over SMST	Medium	Passed

QUEST / QUEST Operation in Real Time	Quest-116:QUEST RT Coordination - SMST over CLASS DB	Medium	Passed
QUEST / QUEST Operation in Real Time	Quest-117:QUEST RT Coordination - BSP TSF over NEM	Medium	Passed
QUEST / QUEST Operation in Real Time	Quest-118:QUEST RT Coordination - NEM over BSP TSF	Medium	Passed
QUEST / QUEST Operation in Real Time	Quest-119:QUEST RT Coordination - CLASS over NEM and BSP TSF	Medium	Passed
QUEST / QUEST Operation in Real Time	Quest-120:QUEST RT Coordination - NEM over CLASS DR	Medium	Passed
QUEST / QUEST Operation in Real Time	Quest-121:QUEST RT Coordination - CLASS DR over NEM	Medium	Passed
QUEST / QUEST Operation in Real Time	Quest-122:QUEST RT Coordination - CLASS DR over SMST	Medium	Passed
QUEST / QUEST Operation in Real Time	Quest-123:QUEST RT Coordination - SMST over CLASS DR	Medium	Passed
QUEST / QUEST Operation in Real Time	Quest-124:QUEST RT Coordination - Decentralised and Cloud ANM Demand Reduction Mitigation Mode	Medium	Passed
Time	Quest-125:QUEST RT Coordination - Central ANM Demand Boost Mitigation Mode	Medium	Passed
T :	Quest-126:QUEST RT Coordination - BSP TSF on the lowest tap position	Medium	Passed
QUEST / QUEST Operation in Real Time	Quest-127:QUEST RT Operation - QUEST Simulation in parallel with QUEST Operation in Real Time		Passed
QUEST / QUEST Operation in Real Time	Quest-128:QUEST RT Coordination - Decentralised and Cloud ANM Demand Boost Mitigation Mode	Medium	Passed
QUEST / QUEST Operation in Real Time	Quest-129:QUEST RT Coordination - Central ANM Demand Reduction Mitigation Mode	Medium	Passed

QUEST / QUEST Operation in Real Time	Quest-130:QUEST RT Coordination - QUEST Coordinates on As-Operated network		Passed
QUEST / QUEST Operation in Real Time	Quest-131:QUEST RT Coordination - QUEST Dashboard	Medium	Passed
QUEST / QUEST Operation in Real Time / Turning off QUEST	Quest-132:QUEST RT Coordination - Turning off QUEST - CLASS has Priority		Passed
QUEST / QUEST Operation in Real Time / Turning off QUEST	Quest-133:QUEST RT Coordination - Turning off QUEST - Smart Street has Priority		Passed
QUEST / QUEST Operation in Real Time / QUEST Schedule	Quest-134:QUEST RT Coordination - Scheduled QUEST Operation	Medium	Passed
QUEST / QUEST Operation in Real Time / Loss of communication	Quest-135:QUEST RT Coordination - Loss of Communication - Loosing control signal for Network Efficiency		Passed
QUEST / QUEST Operation in Real Time / Loss of communication	Quest-136:QUEST RT Coordination - Loss of Communication - Restoring control signal for Network Efficiency		Passed
QUEST / QUEST Operation in Real Time / Loss of communication	Quest-137:QUEST RT Coordination - Loss of Communication - Loosing control signal for Smart Street		Passed
QUEST / QUEST Operation in Real Time / Loss of communication	Quest-138:QUEST RT Coordination - Loss of Communication - Restoring control signal for Smart Street		Passed
QUEST / QUEST Operation in Real Time / Loss of communication	Quest-139:QUEST RT Coordination - Loss of Communication - Emergency Mode during lost communication		Passed
QUEST / QUEST Operation in Real Time / Loss of communication	Quest-140:QUEST RT Coordination - Loss of Communication - Decentralized and Cloud ANM signals - Demand Boost		Passed
QUEST / QUEST Operation in Real Time / Loss of communication	Quest-141:QUEST RT Coordination - Loss of Communication - Decentralized and Cloud ANM signals - Demand Reduction		Passed

QUEST / QUEST Operation in Rea	Quest-142:QUEST Control and	Medium	Passed
Time / Permission Checks	Monitoring - Executing QUEST		
	Simulation without Permission		
QUEST / QUEST Operation in Real	Quest-143:QUEST Control and	Medium	Failed
Time / Permission Checks	Monitoring - Blocking Network		
	Efficency without Permission		
QUEST / QUEST Operation in Real	Quest-144:QUEST Control and	Medium	Passed
Time / Permission Checks	Monitoring - Changing the SYSCON		
	state without Permission		
QUEST / QUEST Operation in Real	Quest-145:QUEST Control and	Medium	Passed
Time / Permission Checks	Monitoring - Modifying QUEST		
	profiles without Permission		
QUEST / QUEST Operation in Rea	Quest-146:QUEST Control and	Medium	Passed
Time / Permission Checks	Monitoring - Approving QUEST		
	profile without Permission		
QUEST / QUEST Operation in Real	Quest-147:QUEST Control and	Medium	Passed
Time / Permission Checks	Monitoring - Assigning QUEST		
	profile without Permission		
QUEST / QUEST Operation in Real	Quest-148:QUEST Control and	Medium	Passed
Time / Permission Checks	Monitoring - Activating QUEST		
	without Permission		
QUEST / QUEST Operation in Real	Quest-149:QUEST Control and	Medium	Passed
Time / Permission Checks	Monitoring - Deactivating QUEST		
	without Permission		
QUEST / QUEST Configuration	Quest-150:QUEST Configuration -	Medium	Passed
	Changing global QUEST options for		
	NEM execution		
QUEST / QUEST Configuration	Quest-151:QUEST Configuration -	Medium	Passed
	Global options for QUEST		
QUEST / QUEST Configuration	Quest-152:QUEST Configuration -	Medium	Passed
	Changing the configurations during		
	active QUEST operation		

QUEST / QUEST configuration Modifying an existing QUEST profile and simulate the QUEST execution Passed QUEST / QUEST Configuration Quest-154:QUEST Configuration Medium Passed QUEST / QUEST Configuration Quest-155:QUEST Configuration Medium Passed QUEST / QUEST Configuration Quest-155:QUEST Configuration Medium Passed QUEST / QUEST Configuration Quest-156:QUEST Configuration Medium Passed QUEST / QUEST Configuration Quest-156:QUEST Configuration Medium Passed QUEST / QUEST Configuration Quest-157:QUEST Configuration Medium Passed QUEST / QUEST Configuration Quest-157:QUEST Configuration - Medium Passed Passed QUEST / QUEST Configuration Quest-158:QUEST configuration - Medium Passed QUEST / QUEST Configuration Quest-158:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-159:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-159:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-159:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-106:QUEST Configuration - Medium	QUEST / QUEST Configuration	Quest-153:QUEST Configuration - Medium	Passed
and simulate the QUEST execution QUEST / QUEST Configuration Quest-154:QUEST Configuration Medium Passed QUEST / QUEST Configuration Quest-155:QUEST Configuration Medium Passed QUEST / QUEST Configuration Quest-155:QUEST Configuration Medium Passed QUEST / QUEST Configuration Quest-156:QUEST Configuration Medium Passed QUEST / QUEST Configuration Quest-156:QUEST Configuration Medium Passed QUEST / QUEST Configuration Quest-156:QUEST Configuration Medium Passed QUEST / QUEST Configuration Quest-157:QUEST Configuration Medium Passed QUEST / QUEST Configuration Quest-157:QUEST Configuration Medium Passed QUEST / QUEST Configuration Quest-158:QUEST Configuration Medium Passed QUEST / QUEST Configuration Quest-159:QUEST Configuration Medium Passed QUEST / QUEST Control & Quest-160:QUEST Configuration Medium Passed QUEST / QUEST Control & Quest-161:QUEST Control and Medium Passed QUEST / QUEST Control & Quest-161:QUEST Control and Medium Pailed Monitoring Block			
QUEST / QUEST Configuration Quest-154:QUEST Configuration AMedium Passed QUEST / QUEST Configuration Quest-155:QUEST Configuration AMedium Passed QUEST / QUEST Configuration Quest-155:QUEST Configuration AMedium Passed QUEST / QUEST Configuration Quest-155:QUEST Configuration AMedium Passed QUEST / QUEST Configuration Quest-156:QUEST configuration -Medium Passed QUEST / QUEST Configuration Quest-157:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-157:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-157:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-158:QUEST configuration - Medium Passed QUEST / QUEST Configuration Quest-158:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-159:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-160:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-160:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-161:QUEST Control and Medium Failed Monitoring			
Create new custom QUEST profile and simulate the QUEST execution Passed QUEST / QUEST Configuration Quest-155:QUEST Configuration - Create new QUEST Profile and simulate the QUEST execution Passed QUEST / QUEST Configuration Quest-156:QUEST Configuration - Creating a new QUEST profile based on an existing one and simulate the QUEST execution Passed QUEST / QUEST Configuration Quest-157:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-157:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-157:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-158:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-158:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-159:QUEST Configuration - Medium Passed QUEST / QUEST Control & QUEST / QUEST Control & Monitoring Quest-160:QUEST Control and Medium Passed QUEST / QUEST Control & Monitoring - Blocking/Unblocking Network Efficiency Failed Monitoring - Black Start regime Failed Emergency SYSCONs Quest-106:QUEST Control and Medium Passed Failed			
and simulate the QUEST executionPassedQUEST / QUEST ConfigurationQuest-155:QUEST Configuration - Create new QUEST Profile and simulate the QUEST executionPassedQUEST / QUEST ConfigurationQuest-156:QUEST configuration - Creating a new QUEST profile based on an existing one and simulate the QUEST executionPassedQUEST / QUEST ConfigurationQuest-157:QUEST Configuration - QUEST executionMediumPassedQUEST / QUEST ConfigurationQuest-157:QUEST Configuration - MediumMediumPassedQUEST / QUEST ConfigurationQuest-158:QUEST Configuration - MediumMediumPassedQUEST / QUEST ConfigurationQuest-158:QUEST Configuration - MediumMediumPassedQUEST / QUEST ConfigurationQuest-159:QUEST Configuration - MediumMediumPassedQUEST / QUEST ConfigurationQuest-160:QUEST Control and MediumPassedQUEST / QUEST Control & Quest-161:QUEST Control and MediumPassedQUEST / QUEST Control & Quest-161:QUEST Control and MediumPassedQUEST / QUEST Control & Quest-161:QUEST Control and MediumPassedQUEST / QUEST Control & Quest-163:QUEST - Yield SummaryMediumFailedMonitoringQuest-106:QUEST Control and MediumPassedEmergency SYSCONsQuest-107:QUEST Control and MediumPassedEmergency SYSCONsQuest-107:QUEST Control and MediumPassedEmergency SYSCONsQuest-107:QUEST Control and MediumPasled	QUEST / QUEST Configuration	Quest-154:QUEST Configuration -Medium	Passed
QUEST / QUEST Configuration Quest-155:QUEST Configuration Medium Passed QUEST / QUEST Configuration Quest-156:QUEST Configuration Medium Passed QUEST / QUEST Configuration Quest-156:QUEST Configuration Medium Passed QUEST / QUEST Configuration Quest-156:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-157:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-157:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-158:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-158:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-159:QUEST Configuration - Medium Passed QUEST / QUEST Configuration Quest-159:QUEST Configuration - Medium Passed QUEST / QUEST Control & Quest-160:QUEST Control and Medium Passed Monitoring QUEST / QUEST Control & Quest-161:QUEST Control and Medium Passed Monitoring QUEST / QUEST Control & Quest-163:QUEST Control and Medium Passed Monitoring QUEST / QUEST Control & Quest-163:QUEST Control and Medium Pailed Monitoring Retwork Efficiency <t< td=""><td></td><td>Create new custom QUEST profile</td><td></td></t<>		Create new custom QUEST profile	
Create new QUEST Profile and simulate the QUEST execution Passed QUEST / QUEST Configuration Quest-156:QUEST Configuration - Medium Creating a new QUEST profile based on an existing one and simulate the QUEST execution Passed QUEST / QUEST Configuration Quest-157:QUEST Configuration - Medium Creating a new custom QUEST profile based on an existing one and simulate the QUEST execution Passed QUEST / QUEST Configuration Quest-158:QUEST Configuration - Medium Deleting profiles Passed QUEST / QUEST Configuration Quest-159:QUEST Configuration - Medium Deleting profiles Passed QUEST / QUEST Configuration Quest-159:QUEST Configuration - Medium Deleting profile Editor Window Passed QUEST / QUEST Control & Quest-160:QUEST Control and Medium Monitoring Passed Passed QUEST / QUEST Control & Quest-161:QUEST Control and Medium Monitoring - Blocking/Unblocking Network Efficiency Failed QUEST / QUEST Control & Quest-163:QUEST - Yield Summary Medium Monitoring - Blocking/Unblocking Network Efficiency Failed Emergency SYSCONs Quest-106:QUEST Control and Medium Monitoring - Emergency SYSCONs - Black Start regime Passed Emergency SYSCONs Quest-107:QUEST Control and Medium Failed		and simulate the QUEST execution	
simulate the QUEST execution Passed QUEST / QUEST Configuration Quest-156:QUEST Configuration Medium Passed Creating a new QUEST profile based on an existing one and simulate the QUEST execution QUEST execution Passed QUEST / QUEST Configuration Quest-157:QUEST Configuration -Medium Passed Creating a new custom QUEST profile based on an existing one and simulate the QUEST execution Passed Passed QUEST / QUEST Configuration Quest-158:QUEST Configuration -Medium Passed QUEST / QUEST Configuration Quest-159:QUEST Configuration -Medium Passed QUEST / QUEST Configuration Quest-159:QUEST Configuration -Medium Passed QUEST / QUEST Configuration Quest-160:QUEST Control and Medium Passed Monitoring Monitoring - Blocking/Unblocking Passed QUEST / QUEST Control & Quest-163:QUEST - Yield Summary Medium Failed Monitoring Quest-106:QUEST Control and Medium Passed	QUEST / QUEST Configuration	Quest-155:QUEST Configuration -Medium	Passed
simulate the QUEST execution Passed QUEST / QUEST Configuration Quest-156:QUEST Configuration Medium Passed Creating a new QUEST profile based on an existing one and simulate the QUEST execution QUEST execution Passed QUEST / QUEST Configuration Quest-157:QUEST Configuration -Medium Passed Creating a new custom QUEST profile based on an existing one and simulate the QUEST execution Passed Passed QUEST / QUEST Configuration Quest-158:QUEST Configuration -Medium Passed QUEST / QUEST Configuration Quest-159:QUEST Configuration -Medium Passed QUEST / QUEST Configuration Quest-159:QUEST Configuration -Medium Passed QUEST / QUEST Configuration Quest-160:QUEST Control and Medium Passed Monitoring Monitoring - Blocking/Unblocking Passed QUEST / QUEST Control & Quest-163:QUEST - Yield Summary Medium Failed Monitoring Quest-106:QUEST Control and Medium Passed		Create new QUEST Profile and	
Creating a new QUEST profile based on an existing one and simulate the QUEST / QUEST Configuration Passed QUEST / QUEST Configuration Quest-157:QUEST Configuration - Medium Creating a new custom QUEST profile based on an existing one and simulate the QUEST execution Passed QUEST / QUEST Configuration Quest-158:QUEST Configuration - Medium Deleting profiles Passed QUEST / QUEST Configuration Quest-159:QUEST Configuration - Medium Deleting profile Editor Window Passed QUEST / QUEST Control & Quest-160:QUEST Control and Medium Monitoring Passed QUEST / QUEST Control & Quest-161:QUEST Control and Medium Monitoring Passed QUEST / QUEST Control & Quest-161:QUEST Control and Medium Monitoring Passed QUEST / QUEST Control & Quest-161:QUEST Control and Medium Monitoring Failed Monitoring Blocking/Unblocking Network Efficiency Failed QUEST / QUEST Control Quest-163:QUEST - Yield Summary Monitoring Failed Emergency SYSCONs Quest-106:QUEST Control and Medium Black Start regime Passed Emergency SYSCONs Quest-107:QUEST Control and Medium Failed			
Creating a new QUEST profile based on an existing one and simulate the QUEST / QUEST Configuration Passed QUEST / QUEST Configuration Quest-157:QUEST Configuration - Medium Creating a new custom QUEST profile based on an existing one and simulate the QUEST execution Passed QUEST / QUEST Configuration Quest-158:QUEST Configuration - Medium Deleting profiles Passed QUEST / QUEST Configuration Quest-159:QUEST Configuration - Medium Deleting profile Editor Window Passed QUEST / QUEST Control & Quest-160:QUEST Control and Medium Monitoring Passed QUEST / QUEST Control & Quest-161:QUEST Control and Medium Monitoring Passed QUEST / QUEST Control & Quest-161:QUEST Control and Medium Monitoring Passed QUEST / QUEST Control & Quest-161:QUEST Control and Medium Monitoring Failed Monitoring Blocking/Unblocking Network Efficiency Failed QUEST / QUEST Control Quest-163:QUEST - Yield Summary Monitoring Failed Emergency SYSCONs Quest-106:QUEST Control and Medium Black Start regime Passed Emergency SYSCONs Quest-107:QUEST Control and Medium Failed	OUEST / OUEST Configuration	Quest 45C QUEST Configuration Medium	Dassad
on an existing one and simulate the QUEST / QUEST ConfigurationPassedQUEST / QUEST ConfigurationQuest-157:QUEST Configuration Profile based on an existing one and simulate the QUEST executionPassedQUEST / QUEST ConfigurationQuest-158:QUEST configuration Deleting profilesPassedQUEST / QUEST ConfigurationQuest-159:QUEST Configuration QUEST / QUEST ConfigurationPassedQUEST / QUEST ConfigurationQuest-160:QUEST Configuration MonitoringPassedQUEST / QUEST Control & MonitoringQuest-160:QUEST Control and Medium Monitoring windowPassedQUEST / QUEST Control & Quest - 161:QUEST Control and MediumPassedQUEST / QUEST Control & MonitoringQuest-163:QUEST Control and Medium Monitoring Network EfficiencyFailedQUEST / QUEST Control & Quest-163:QUEST - Yield Summary MediumFailedMonitoring - Emergency SYSCONs - Black Start regimePassed	QUEST / QUEST Configuration		Passed
QUEST executionQUEST executionQUEST / QUEST ConfigurationQuest-157:QUEST ConfigurationMediumQUEST / QUEST ConfigurationQuest-157:QUEST ConfigurationPassedQUEST / QUEST ConfigurationQuest-158:QUEST configurationMediumQUEST / QUEST ConfigurationQuest-159:QUEST ConfigurationMediumQUEST / QUEST ConfigurationQuest-159:QUEST ConfigurationMediumQUEST / QUEST ConfigurationQuest-160:QUEST Control and MediumPassedQUEST / QUEST Control& Quest-160:QUEST Control and MediumPassedMonitoringMonitoring windowMonitoring windowFailedQUEST / QUEST Control& Quest-161:QUEST Control and MediumFailedMonitoringMonitoring - Blocking/UnblockingFailedMonitoringQuest-163:QUEST - Yield SummaryMediumFailedEmergency SYSCONsQuest-106:QUEST Control and MediumPassedEmergency SYSCONsQuest-107:QUEST Control and MediumPassed			
QUEST / QUEST ConfigurationQuest-157:QUEST ConfigurationMediumPassedQUEST / QUEST ConfigurationCreating a new custom QUEST profile based on an existing one and simulate the QUEST executionPassedQUEST / QUEST ConfigurationQuest-158:QUEST Configuration - Deleting profilesMediumPassedQUEST / QUEST ConfigurationQuest-159:QUEST Configuration - MediumMediumPassedQUEST / QUEST ConfigurationQuest-160:QUEST Control and MonitoringMediumPassedQUEST / QUEST Control& Quest-160:QUEST Control and Monitoring windowMediumPassedQUEST / QUEST Control& Quest-161:QUEST Control and Monitoring - Blocking/Unblocking Network EfficiencyFailedQUEST / QUEST Control& Quest-163:QUEST - Yield Summary MediumFailedMonitoring - Emergency SYSCONsQuest-106:QUEST Control and Monitoring - Emergency SYSCONs - Black Start regimePassed			
Creating a new custom QUEST profile based on an existing one and simulate the QUEST execution QUEST / QUEST Configuration Quest-158:QUEST Configuration - Medium Deleting profiles QUEST / QUEST Configuration Quest-159:QUEST Configuration - Medium QUEST Profile Editor Window QUEST / QUEST Control & Quest-160:QUEST Control and Medium Monitoring QUEST / QUEST Control & Quest-161:QUEST Control and Medium Monitoring QUEST / QUEST Control & Quest-161:QUEST Control and Medium Monitoring QUEST / QUEST Control & Quest-161:QUEST Control and Medium Monitoring QUEST / QUEST Control & Quest-161:QUEST Control and Medium Monitoring QUEST / QUEST Control & Quest-163:QUEST - Yield Summary Medium Failed Monitoring - Emergency SYSCONs Black Start regime Passed Emergency SYSCONs Quest-107:QUEST Control and Medium		QUEST execution	
profile based on an existing one and simulate the QUEST executionPassedQUEST / QUEST ConfigurationQuest-158:QUEST Configuration - Deleting profilesPassedQUEST / QUEST ConfigurationQuest-159:QUEST Configuration - QUEST Profile Editor WindowPassedQUEST / QUEST Control& Quest-160:QUEST Control and MediumPassedMonitoringMonitoring windowPassedQUEST / QUEST Control& Quest-161:QUEST Control and MediumPassedMonitoringMonitoring - Blocking/Unblocking Network EfficiencyFailedQUEST / QUEST Control& Quest-163:QUEST - Yield Summary Monitoring - Emergency SYSCONsPassedEmergency SYSCONsQuest-106:QUEST Control and MediumPassedEmergency SYSCONsQuest-107:QUEST Control and MediumPassed	QUEST / QUEST Configuration	Quest-157:QUEST Configuration -Medium	Passed
simulate the QUEST executionSimulate the QUEST executionPassedQUEST / QUEST ConfigurationQuest-158:QUEST Configuration - MediumPassedQUEST / QUEST ConfigurationQuest-159:QUEST Configuration - MediumPassedQUEST / QUEST Control & Quest-160:QUEST Control and MediumPassedMonitoringMonitoring windowPassedQUEST / QUEST Control & Quest-161:QUEST Control and MediumPassedMonitoringMonitoring - Blocking/Unblocking Network EfficiencyFailedQUEST / QUEST Control & Quest-163:QUEST - Yield SummaryMediumFailedMonitoring = Emergency SYSCONsQuest-106:QUEST Control and MediumPassedEmergency SYSCONsQuest-107:QUEST Control and MediumPassed		Creating a new custom QUEST	
QUEST / QUEST ConfigurationQuest-158:QUEST ConfigurationMediumPassedQUEST / QUEST ConfigurationQuest-159:QUEST Configuration-MediumPassedQUEST / QUEST ConfigurationQuest-159:QUEST Configuration-MediumPassedQUEST / QUEST Control & Quest-160:QUEST Control and MediumMonitoring windowPassedQUEST / QUEST Control & Quest-161:QUEST Control and MediumFailedMonitoringMonitoring - Blocking/Unblocking Network EfficiencyFailedQUEST / QUEST Control & Quest-163:QUEST - Yield Summary MonitoringFailedEmergency SYSCONsQuest-106:QUEST Control and MediumPassedEmergency SYSCONsQuest-107:QUEST Control and MediumFailed		profile based on an existing one and	
Deleting profilesQUEST / QUEST ConfigurationQuest-159:QUEST ConfigurationMediumPassedQUEST / QUEST Control& Quest-160:QUEST Controland MediumPassedMonitoringMonitoring windowMonitoring and MediumPassedQUEST / QUEST Control& Quest-161:QUEST Controland MediumFailedMonitoringMonitoring - Blocking/Unblocking Network EfficiencyMediumFailedQUEST / QUEST ControlQuest-163:QUEST - Yield Summary MonitoringMediumFailedEmergency SYSCONsQuest-106:QUEST Control and Monitoring - Emergency SYSCONs Black Start regimePassedPassedEmergency SYSCONsQuest-107:QUEST Control and MediumFailed		simulate the QUEST execution	
Deleting profilesQUEST / QUEST ConfigurationQuest-159:QUEST ConfigurationMediumPassedQUEST / QUEST Control& Quest-160:QUEST Controland MediumPassedMonitoringMonitoring windowMonitoring and MediumPassedQUEST / QUEST Control& Quest-161:QUEST Controland MediumFailedMonitoringMonitoring - Blocking/Unblocking Network EfficiencyMediumFailedQUEST / QUEST ControlQuest-163:QUEST - Yield Summary MonitoringMediumFailedEmergency SYSCONsQuest-106:QUEST Control and Monitoring - Emergency SYSCONs Black Start regimePassedPassedEmergency SYSCONsQuest-107:QUEST Control and MediumFailed	OUEST / OUEST Configuration	Quest-158:QUEST Configuration Medium	Passed
QUEST / QUEST ConfigurationQuest-159:QUEST Configuration QUEST Profile Editor WindowPassedQUEST / QUEST Control & MonitoringQuest-160:QUEST Control and Monitoring windowMediumPassedQUEST / QUEST Control & QUEST / QUEST Control & QUEST / QUEST Control & MonitoringQuest-161:QUEST Control and Monitoring - Blocking/Unblocking Network EfficiencyFailedQUEST / QUEST Control & QUEST / QUEST Control & Quest-163:QUEST - Yield SummaryMediumFailedMonitoringQuest-163:QUEST Control and MonitoringPassedPassedEmergency SYSCONsQuest-106:QUEST Control and Monitoring - Emergency SYSCONs - Black Start regimePassedPassed			
QUEST Profile Editor Window QUEST Control & Quest-160:QUEST Control and Medium Passed Monitoring Monitoring window Passed QUEST / QUEST Control & Quest-161:QUEST Control and Medium Failed Monitoring Monitoring - Blocking/Unblocking Failed Monitoring Network Efficiency Medium Failed QUEST / QUEST Control & Quest-163:QUEST - Yield Summary Medium Failed Monitoring Quest-166:QUEST Control and Medium Failed Monitoring Quest-163:QUEST - Yield Summary Medium Failed Monitoring Quest-106:QUEST Control and Medium Failed Emergency SYSCONs Quest-107:QUEST Control and Medium Passed Emergency SYSCONs Quest-107:QUEST Control and Medium Failed			
QUEST/QUESTControl&Quest-160:QUESTControlandMediumPassedMonitoringMonitoring windowMonitoring windowMonitoring windowPassedMonitoringPassedQUEST/QUESTControl&Quest-161:QUESTControlandMediumFailedMonitoringMonitoring-Blocking/Unblocking Network EfficiencyMediumFailedQUEST/QUESTControl&Quest-163:QUEST - Yield Summary MediumMediumFailedEmergency SYSCONsQuest-106:QUESTControlandMediumPassedEmergency SYSCONsQuest-107:QUESTControlandMediumFailed	QUEST / QUEST Configuration	Quest-159:QUEST Configuration -Medium	Passed
MonitoringMonitoring windowFailedQUEST / QUEST Control & Quest-161:QUEST Control and MediumFailedMonitoringBlocking/Unblocking Network EfficiencyFailedQUEST / QUEST Control & Quest-163:QUEST - Yield Summary MonitoringMediumFailedEmergency SYSCONsQuest-106:QUEST Control and Monitoring - Emergency SYSCONs - Black Start regimePassedEmergency SYSCONsQuest-107:QUEST Control and MediumFailed		QUEST Profile Editor Window	
QUEST / QUEST Control & Quest-161:QUEST Control and Medium Failed Monitoring Monitoring - Blocking/Unblocking Network Efficiency Failed QUEST / QUEST Control & Quest-163:QUEST - Yield Summary Monitoring Medium Failed QUEST / QUEST Control & Quest-163:QUEST - Yield Summary Monitoring Medium Failed Emergency SYSCONs Quest-106:QUEST Control and Medium Passed Emergency SYSCONs Quest-107:QUEST Control and Medium Failed	QUEST / QUEST Control	육Quest-160:QUEST Control and Medium	Passed
QUESTQUESTControl& Cuest-161:QUESTControland MediumFailedMonitoringMonitoringBlocking/Unblocking Network EfficiencyMediumFailedQUEST/QUESTControl& Quest-163:QUEST - Yield Summary MonitoringMediumFailedEmergency SYSCONsQuest-106:QUESTControland MediumPassedEmergency SYSCONsQuest-107:QUESTControland MediumFailed	Monitoring	Monitoring window	
MonitoringMonitoring - Blocking/Unblocking Network EfficiencyQUEST / QUEST Control & Quest-163:QUEST - Yield Summary MonitoringMediumFailedEmergency SYSCONsQuest-106:QUEST Control and Monitoring - Emergency SYSCONs - Black Start regimeMediumEmergency SYSCONsQuest-107:QUEST Control and MediumFailedEmergency SYSCONsQuest-107:QUEST Control and MediumFailed			Failed
QUEST / QUEST Control & Quest-163:QUEST - Yield Summary Medium Failed Monitoring Quest-106:QUEST Control and Medium Passed Emergency SYSCONs Quest-106:QUEST Control and Medium Passed Black Start regime Quest-107:QUEST Control and Medium Failed			ralled
QUEST / QUEST Control & MonitoringQuest-163:QUEST - Yield Summary MediumMediumFailedEmergency SYSCONsQuest-106:QUEST Control and Monitoring - Emergency SYSCONs - Black Start regimePassedEmergency SYSCONsQuest-107:QUEST Control and MediumPailed	monitoring		
Monitoring Quest-106:QUEST Control and Medium Passed Emergency SYSCONs Quest-106:QUEST Control and Medium Passed Black Start regime Black Start regime Failed		Network Efficiency	
Emergency SYSCONs Quest-106:QUEST Control and Medium Passed Monitoring - Emergency SYSCONs - Black Start regime Black Start regime Failed	QUEST / QUEST Control	& Quest-163:QUEST - Yield Summary Medium	Failed
Monitoring - Emergency SYSCONs - Black Start regime Emergency SYSCONs Quest-107:QUEST Control and Medium Failed	Monitoring		
Black Start regime Emergency SYSCONs Quest-107:QUEST Control and Medium Failed	Emergency SYSCONs	Quest-106:QUEST Control and Medium	Passed
Emergency SYSCONs Quest-107:QUEST Control and Medium Failed		Monitoring - Emergency SYSCONs -	
		Black Start regime	
		Quest 107:0UEST Control and Medium	Failed
ivionitoring - Emergency SYSCONS -	LINE SEILY STOCOUS		raneu
OC6 VR			

Emergency SYSCONs	Quest-108:QUEST Control and Monitoring - Emergency SYSCONs - OC6 DD	Failed
Emergency SYSCONs	Quest-109:QUEST Control and Monitoring - Emergency SYSCONs - Manual LFDD activation	Passed
Emergency SYSCONs	Quest-110:QUEST Control and Monitoring - Emergency SYSCONs - Automatic LFDD activation	Passed

Table 3: List of all test cases