



## Test Plan

Plan Name: LTEOTADM Test Plan

Plan Id: LTEFIELDQA

Version Number: 3.2

Release Date: October 2023

Latest Release Date: October 2023 : Open Access

01.01 VERIFY LTE CONNMO DM TREES VZ_TC_LTEFIELDQA_8540 .....	3
01.02 APN MANAGEMENT TRIGGERED BY MOBILE AUTOMATIC DEVICE DETECTION (ADD) VZ_TC_LTEFIELDQA_8549.....	8
01.05 OTADM-013-IPv6 Successful Connectivity Testing VZ_TC_LTEFIELDQA_8552 .....	10
01.06 OTADM-014-IPv4 Successful Connectivity Testing VZ_TC_LTEFIELDQA_8553 .....	12
01.07 DEVINFO EXTENSION NODE TEST VZ_TC_LTEFIELDQA_8554 .....	14
01.08 APN Management by OTADM server VZ_TC_LTEFIELDQA_8555.....	17
01.09 AUTHENTICATION SECURITY KEY MIS-MATCH VZ_TC_LTEFIELDQA_8541 .....	18
01.10 AUTHENTICATION SECURITY KEY MATCH VZ_TC_LTEFIELDQA_8542.....	19
01.13 CONNMO TREE INTERNET APN VERIFICATION AND OPERATION VZ_TC_LTEFIELDQA_8545.....	20
01.14 CONNMO TREE APP APN VERIFICATION AND OPERATION VZ_TC_LTEFIELDQA_8546 .....	22
01.15 CONNMO TREE SMS OVER IMS VERIFICATION AND OPERATION VZ_TC_LTEFIELDQA_8547 .....	23
01.16 APN NAMES CASE INSENSITIVE TEST VZ_TC_LTEFIELDQA_8548 .....	25
01.17 TLS Protocol for DM sessions VZ_TC_LTEFIELDQA_8842 .....	27
01.19 APN Settings Persistence through Factory Reset and Power Cycle VZ_TC_LTEFIELDQA_1347842.....	28
1.22 Verify DMAcc Nodes VZ_TC_LTEFIELDQA_7373996.....	33
1.23 Verify REPLACE on the DMAcc nodes VZ_TC_LTEFIELDQA_7374147.....	35
1.24 Verify the DevInfo nodes VZ_TC_LTEFIELDQA_7374180.....	37
1.25 Verify the DevDetail node VZ_TC_LTEFIELDQA_7374181 .....	39
1.26 APN MANAGEMENT TRIGGERED BY MOBILE AUTOMATIC DEVICE DETECTION (ADD) with Applications running VZ_TC_LTEFIELDQA_7374209.....	41
1.27 Root Certificate Verification VZ_TC_LTEFIELDQA_8408737.....	43
01.29 HTTP Header X-Session-Type Validation VZ_TC_LTEFIELDQA_4105999311930956 .....	50

## 01.01 VERIFY LTE CONNMO DM TREES VZ\_TC\_LTEFIELDQA\_8540

Test and verify that the authentication algorithm implemented in the device is correct.

### Pre-Conditions (1. Verify LTE ConnMO DM Tree)

1. Ensure the device is powered on and has sufficient battery power to establish and maintain a data call.
2. Ensure the device is connected to the LTE live network (can be verified by the "4G" network indicator displayed on device UI or connection manager),

### Procedures (1. Verify LTE ConnMO DM Tree)

1. Using OTADM Server GUI, select the DUT.
2. Send a Get command to retrieve the LTE ConnMO DM tree.
3. Wait for the data to be retrieved from the DUT.
4. Verify the ConnMO tree nodes returned values.
5. Close the results window.

### Expected Results (1. Verify LTE ConnMO DM Tree)

The device shall successfully complete the transactions without an error message, and return the values as specified in Table A-1 below.

<b>Connectivity Node</b>	<b>Description</b>	<b>Value</b>	<b>Commands</b>
./ManagedObjects/ConnMO/LTE	Internal Node	node	Get
./ManagedObjects/ConnMO/LTE/APN/*	Internal Node	node	Get
./ManagedObjects/ConnMO/LTE/APN/*/Setting	Internal Node	node	Get
./ManagedObjects/ConnMO/LTE/APN/*/Setting/Id	APN Id	1	Get
./ManagedObjects/ConnMO/LTE/APN/*/Setting/Name	APN Name	IMS	Get, Replace
./ManagedObjects/ConnMO/LTE/APN/*/Setting/IP	IP Version. Defined by Standards	IPv4 or IPv4 and IPv6	Get, Replace

	but not used by Verizon Wireless		
./ManagedObjects/ConnMO/LTE/APN/*/Setting/Enabled	Returns if the APN is enabled (True) or not (False)	True	Get
./ManagedObjects/ConnMO/LTE/APN/*/Setting/Operations	Internal Node	node	Get
./ManagedObjects/ConnMO/LTE/APN/*/Setting/Id	APN Id	2	Get
./ManagedObjects/ConnMO/LTE/APN/*/Setting/Name	APN Name	VZWADMIN	Get, Replace
./ManagedObjects/ConnMO/LTE/APN/*/Setting/IP	IP Version. Defined by Standards but not used by Verizon Wireless	IPv4 or IPv4 and IPv6	Get, Replace
./ManagedObjects/ConnMO/LTE/APN/*/Setting/Enabled	Returns if the APN is enabled (True) or not (False)	True	Get
./ManagedObjects/ConnMO/LTE/APN/*/Setting/Id	APN Id	3	Get
./ManagedObjects/ConnMO/LTE/APN/*/Setting/Name	APN Name	VZWINTERNET or V5GA01INTERNET for FWA	Get, Replace
./ManagedObjects/ConnMO/LTE/APN/*/Setting/IP	IP Version. Defined by Standards but not used by Verizon Wireless	IPv4 or IPv4 and IPv6	Get, Replace
./ManagedObjects/ConnMO/LTE/APN/*/Setting/Enabled	Returns if the APN is	True	Get

	enabled (True) or not (False)		
./ManagedObjects/ConnMO/LTE/APN/*/Setting/Operations/Enable	Enable APN	Null	Exec
./ManagedObjects/ConnMO/LTE/APN/*/Setting/Operations/Disable	Disable APN	Null	Exec
./ManagedObjects/ConnMO/LTE/APN/*/Setting/Id	APN Id	4	Get
./ManagedObjects/ConnMO/LTE/APN/*/Setting/Name	APN Name	VZWAPP	Get, Replace
./ManagedObjects/ConnMO/LTE/APN/*/Setting/IP	IP Version. Defined by Standards but not used by Verizon Wireless	IPv4 or IPv4 and IPv6	Get, Replace
./ManagedObjects/ConnMO/LTE/APN/*/Setting/Enabled	Returns if the APN is enabled (True) or not (False)	True	Get
./ManagedObjects/ConnMO/LTE/APN/*/Setting/Operations/Enable	Enable APN	Null	Exec
./ManagedObjects/ConnMO/LTE/APN/*/Setting/Operations/Disable	Disable APN	Null	Exec
./ManagedObjects/ConnMO/IMS	Interior Node	Node	Get
./ManagedObjects/ConnMO/IMS/Setting	Interior Node	Node	Get
./ManagedObjects/ConnMO/IMS/Setting/Domain	Home Domain Name for the device to populate the request URI for REGISTRATION	vzims.com	Get
./ManagedObjects/ConnMO/IMS/Setting/smsfor	Device	3GPP or	Get,

mat	Outgoing SMS based on either 3GPP or 3GPP2 standards	3GPP2	Replace
./ManagedObjects/ConnMO/IMS/Setting/sms_over_IP_network_indication	Turns IMS ON/OFF on the device	True	Get, replace

Table A-1 LTE ConnMO DM Trees

Execute operations enable/disable APN1 and 2 should result in a 404  
GET operations on APN1 and 2 for the internal node  
./ManagedObjects/ConnMO/LTE/APN/\*/Setting/Operations should result in a 404

#### Pre-Conditions (2. APN 1 and 2 Management)

#### Procedures (2. APN 1 and 2 Management)

Perform a GET operation on  
./ManagedObjects/ConnMO/LTE/APN/1/Setting/Operations  
and  
./ManagedObjects/ConnMO/LTE/APN/2/Setting/Operations

#### Expected Results (2. APN 1 and 2 Management)

Verify the device returns a 404 to the server to indicate the APN1 and 2 operations nodes are not supported.

#### Pre-Conditions (3. APN 1 and 2 Enable/Disable)

APN 1 and 2 are enabled on the device

#### Procedures (3. APN 1 and 2 Enable/Disable)

Perform an EXEC operation on the node

./ManagedObjects/ConnMO/LTE/APN/1/Setting/Operations/Disable

and

./ManagedObjects/ConnMO/LTE/APN/2/Setting/Operations/Disable

#### Expected Results (3. APN 1 and 2 Enable/Disable)

Verify the device responds back to the server with a 404 to indicate the commands were not successful.

#### Pre-Conditions (4. Confirm APN 1 and 2 remain enabled)

#### Procedures (4. Confirm APN 1 and 2 remain enabled)

Perform a GET operation on the nodes:

./ManagedObjects/ConnMO/LTE/APN/1/Setting/Enabled

and

./ManagedObjects/ConnMO/LTE/APN/2/Setting/Enabled

#### Expected Results (4. Confirm APN 1 and 2 remain enabled)

Verify the DUT responds to the GET operations with a "True" for each node.

## 01.02 APN MANAGEMENT TRIGGERED BY MOBILE AUTOMATIC DEVICE DETECTION (ADD) VZ\_TC\_LTEFIELDQA\_8549

Test and verify APN management triggered by mobile activate is successful.  
This test case is not applicable for devices where the SIM cannot be removed.

### Pre-Conditions (Pre-Conditions (APN Management Triggered by Mobile Automatic Device Detection (ADD) - LTE))

1. Two Devices and 1 UICC are required for this test case.
2. Device 1 = DUT, shall have default values for all APNs
3. Device 2 shall have its Class 3 APN Name set to "vzwtest2" (without quotes).
4. Device 1 with UICC is powered on and registered with live LTE network
5. Access to a non-commercial (test) OTADM Server is available
6. OEM instruction of changing device bootstrap is available

### Procedures (Pre-Conditions (APN Management Triggered by Mobile Automatic Device Detection (ADD) - LTE))

1. Follow OEM instructions to program the DUT bootstrap to the OTADM Test Server
2. Use the Test OTADM Server GUI, and retrieve the complete ConnMO tree; Get the vendor defined "\*" values for all LTE APNs, and identify the \* value for VZWINTERNET APN
3. From the OTADM Server, send a Get command to retrieve the LTE ConnMO DM tree. Wait for values to be returned
4. On the OTADM Server, send a Replace command to replace the "VZWINTERNET" APN3 name on the DUT with invalid name such as "vzwtest" in lower cases.
5. Disable APN4 and APN5 if supported.
6. After the DM Session ends, make an attempt to browse internet
7. Following OEMs instruction to program the second device bootstrap to the Production OTADM Server URL (if required)
8. Power down the DUT, and take out the UICC card from the DUT, and insert it in to the second LTE device, and power up the second LTE device
9. Observe the second device UI for data call indication (skip if the device does not support any UI)
10. Verify the device is attached to LTE network (by observing the 4G icon or equivalent display on the device, or from data logging)
11. Check DUT to confirm Class 3 APN Name changed to VZWINTERNET. Change may take up to 5 minutes
12. Browse the internet on the device



Expected Results (Pre-Conditions (APN Management Triggered by Mobile Automatic Device Detection (ADD) - LTE))

Step 2: The complete ConnMO DM Tree is retrieved. The "\*" values for all APNs are obtained, the "\*" value for VZWINTERNET APN nodes is identified

Step 3: Verify DUT returns APN parameters for IMS APN, VZWADMIN APN, VZWINTERNET APN, and VZWAPP APN

Step 4 : The replacement operation is successful without error

Step 5: The internet browsing attempt failed

Step 7: DUT displays active data call icon for a few seconds, then return to idle state

Step 10: Second device is attached to LTE network, and Class 3 APN Name changed to VZWINTERNET

Step 11: Internet browsing is successful: note: the internet browsing must be successful without any manual intervention or work around, if internet browsing does not work automatically, this step is a fail

## 01.05 OTADM-013-IPv6 Successful Connectivity Testing VZ\_TC\_LTEFIELDQA\_8552

Verify if the device is able to connect to the OTADM server over an IPv6 connection.

### Pre-Conditions (Step 1)

1. Program the IPv6 server URL in the DMAcc node to reach the DM server supporting IPv6 connectivity. URL information will be provided by the Verizon Wireless Authorized OTADM IOT server vendor listed in LTE 3GPP Band 13 Device Conformance Test Process document.
2. Ensure the device is powered on and has sufficient battery power to establish and maintain a data call.
3. Ensure the device is connected to the LTE live network (can be verified by the "4G" network indicator displayed on device UI or connection manager).

### Procedures (Step 1)

Step1: Start logging on the Device and/or the DM server to see PCAP trace of device connectivity with the DM Server

Step2: On the DM server, select the Device in question and send Pkg0 to initiate DM Connectivity from the DUT

Step3: Perform a Get Command on LTE ConnMO DM Tree

Step4: Wait for the data to be retrieved

Step5: Verify the ConnMO Tree nodes returned by the device

Step6: Close the results window.

### Expected Results (Step 1)

Step2: Device successfully opens a DM Connection over IPv6 (check PCAP logs for the device connection attempt)

Step5: The device sends the following tree (some values depend on what technologies the device supports):

<b>Connectivity Node</b>	<b>Value</b>
./ManagedObjects/ConnMO/LTE	node
./ManagedObjects/ConnMO/LTE/APN/*	node
./ManagedObjects/ConnMO/LTE/APN*/Setting	node
./ManagedObjects/ConnMO/LTE/APN*/Setting /Id	1
./ManagedObjects/ConnMO/LTE/APN*/Setting /Name	IMS
./ManagedObjects/ConnMO/LTE/APN*/Setting /IP	IPv6
./ManagedObjects/ConnMO/LTE/APN*/Setting /Enabled	True
./ManagedObjects/ConnMO/LTE/APN*/Setting/Operations	node
./ManagedObjects/ConnMO/LTE/APN*/Setting /Id	2

./ManagedObjects/ConnMO/LTE/APN/*/Setting /Name	VZWADMIN
./ManagedObjects/ConnMO/LTE/APN/*/Setting /IP	IPv4 and IPv6
./ManagedObjects/ConnMO/LTE/APN/*/Setting /Enabled	True
./ManagedObjects/ConnMO/LTE/APN/*/Setting /Id	3
./ManagedObjects/ConnMO/LTE/APN/*/Setting /Name	VZWINTERNET
./ManagedObjects/ConnMO/LTE/APN/*/Setting /IP	IPv4 and IPv6
./ManagedObjects/ConnMO/LTE/APN/*/Setting /Enabled	True
./ManagedObjects/ConnMO/LTE/APN/*/Setting /Id	4
./ManagedObjects/ConnMO/LTE/APN/*/Setting /Name	VZWAPP
./ManagedObjects/ConnMO/LTE/APN/*/Setting /IP	IPv4 and IPv6
./ManagedObjects/ConnMO/LTE/APN/*/Setting /Enabled	True
./ManagedObjects/ConnMO/IMS	Node
./ManagedObjects/ConnMO/IMS/Setting	Node
./ManagedObjects/ConnMO/IMS/Setting/Domain	vzims.com
./ManagedObjects/ConnMO/IMS/Setting/smsformat	3GPP or 3GPP2
./ManagedObjects/ConnMO/IMS/Setting/sms_over_IP_network_indication	True

## 01.06 OTADM-014-IPv4 Successful Connectivity Testing VZ\_TC\_LTEFIELDQA\_8553

Verify that device successfully falls back to IPv4 connection when IPv6 connectivity is not possible.

### Pre-Conditions (Step 1)

1. Program the IPv4 server URL in the DMAcc node to reach the DM server supporting IPv4 connectivity. URL information will be provided by the Verizon Wireless Authorized OTADM IOT server vendor listed in LTE 3GPP Band 13 Device Conformance Test Process document.
2. Ensure the device is connected to the LTE live network (can be verified by the "4G" network indicator displayed on device UI or connection manager).

### Procedures (Step 1)

Step1: Start logging on the Device and/or the DM server to see PCAP trace of device connectivity with the DM Server  
Step2: On the DM server, select the Device in question and send Pkg0 to initiate DM Connectivity from the DUT  
Step3: Perform a Get Command on LTE ConnMO DM Tree  
Step4: Wait for the data to be retrieved  
Step5: Verify the ConnMO Tree nodes returned by the device  
Step6: Close the results window.

### Expected Results (Step 1)

Step2: Device receives IPv4 address of the DM Server from the DNS server and successfully opens a DM session with the DM server.  
Step5: The device sends the following tree (some values depend on what technologies the device supports):

<b>Connectivity Node</b>	<b>Value</b>
./ManagedObjects/ConnMO/LTE	node
./ManagedObjects/ConnMO/LTE/APN/*	node
./ManagedObjects/ConnMO/LTE/APN*/Setting	node
./ManagedObjects/ConnMO/LTE/APN*/Setting /Id	1
./ManagedObjects/ConnMO/LTE/APN*/Setting /Name	IMS
./ManagedObjects/ConnMO/LTE/APN*/Setting /IP	IPv6
./ManagedObjects/ConnMO/LTE/APN*/Setting /Enabled	True
./ManagedObjects/ConnMO/LTE/APN*/Setting/Operations	node
./ManagedObjects/ConnMO/LTE/APN*/Setting /Id	2
./ManagedObjects/ConnMO/LTE/APN*/Setting /Name	VZWADMIN
./ManagedObjects/ConnMO/LTE/APN*/Setting /IP	IPv4 and IPv6

./ManagedObjects/ConnMO/LTE/APN/*/Setting /Enabled	True
./ManagedObjects/ConnMO/LTE/APN/*/Setting /Id	3
./ManagedObjects/ConnMO/LTE/APN/*/Setting /Name	VZWINTERNET
./ManagedObjects/ConnMO/LTE/APN/*/Setting /IP	IPv4 and IPv6
./ManagedObjects/ConnMO/LTE/APN/*/Setting /Enabled	True
./ManagedObjects/ConnMO/LTE/APN/*/Setting /Id	4
./ManagedObjects/ConnMO/LTE/APN/*/Setting /Name	VZWAPP
./ManagedObjects/ConnMO/LTE/APN/*/Setting /IP	IPv4 and IPv6
./ManagedObjects/ConnMO/LTE/APN/*/Setting /Enabled	True
./ManagedObjects/ConnMO/IMS	Node
./ManagedObjects/ConnMO/IMS/Setting	Node
./ManagedObjects/ConnMO/IMS/Setting/Domain	vzims.com
./ManagedObjects/ConnMO/IMS/Setting/smsformat	3GPP or 3GPP2
./ManagedObjects/ConnMO/IMS/Setting/sms_over_IP_network_indication	True

## 01.07 DEVINFO EXTENSION NODE TEST VZ\_TC\_LTEFIELDQA\_8554

These test case is to confirm 1 additional Extension node is returned on top of all the other DevInfo nodes.

This test case is not applicable for devices where the SIM cannot be removed.

Pre-Conditions (Step 1)
<p>These Test Cases apply to all DM Sessions, Network Initiated, User Initiated, and Client Initiated</p> <p>It is assumed that the DUT will return all the supported DevInfo node values as per the LTE-OTADM requirements document.</p> <p>These test cases are to confirm 1 additional Extension node is returned on top of all the other DevInfo nodes.</p> <p>For this test case, 2 valid UICCs are required The valid UICCs will be referred to as First UICC and Second UICC in the Test Cases below</p>
Procedures (Step 1)
<p>Insert the First UICC in the DUT. Power on DUT</p> <p>Perform a DM Session</p> <p>Confirm ./DevInfo/Ext/ICCID Extension node is sent in Pkg1 to the DM Server</p>
Expected Results (Step 1)
<p>DUT returns all the DevInfo Nodes as discussed in Reqs-OTADM Requirements, LTE-OTADM Requirements, and the following node:</p> <p>DM Server logs show ./DevInfo/Ext/ICCID with ICCID value of the First UICC received in Pkg1</p>
Pre-Conditions (Step 2)
<p>Device need Wi-Fi connection</p>
Procedures (Step 2)
<p>Remove the First UICC while DUT is powered on and connect to Wi-Fi</p> <p>Perform a DM Session by checking for updates on the device.</p> <p>Confirm ./DevInfo/Ext/ICCID Extension node is sent in Pkg1 to the DM Server</p>
Expected Results (Step 2)
<p>DUT returns all the DevInfo Nodes as discussed in Reqs-OTADM Requirements, LTE-OTADM Requirements, and the following node:</p> <p>DM Server logs show ./DevInfo/Ext/ICCID with a NULL value received in Pkg1</p>
Pre-Conditions (Step 3)
Procedures (Step 3)

Insert the Second UICC in the DUT while the DUT is powered on

Perform a DM Session.

Confirm ./DevInfo/Ext/ICCID Extension node is sent in Pkg1 to the DM Server

#### Expected Results (Step 3)

DUT returns all the DevInfo Nodes as discussed in Reqs-OTADM Requirements, LTE-OTADM Requirements, and the following node:

DM Server logs show ./DevInfo/Ext/ICCID with ICCID value of the Second UICC received in Pkg1

#### Pre-Conditions (Step 4)

#### Procedures (Step 4)

Remove the Second UICC and insert the First UICC in the DUT while the DUT is powered on

Perform a DM Session.

Confirm ./DevInfo/Ext/ICCID Extension node is sent in Pkg1 to the DM Server

#### Expected Results (Step 4)

DUT returns all the DevInfo Nodes as discussed in Reqs-OTADM Requirements, LTE-OTADM Requirements, and the following node:

DM Server logs show ./DevInfo/Ext/ICCID with ICCID value of the First UICC received in Pkg1

#### Pre-Conditions (Step 5)

#### Procedures (Step 5)

Power down the DUT  
Remove the First UICC from the DUT  
Power up the DUT and connect to a Wi-Fi network

Perform a DM Session by checking for updates on the device.

Confirm ./DevInfo/Ext/ICCID Extension node is sent in Pkg1 to the DM Server

#### Expected Results (Step 5)

DUT returns all the DevInfo Nodes as discussed in Reqs-OTADM Requirements, LTE-OTADM Requirements, and the following node:

DM Server logs show ./DevInfo/Ext/ICCID with a NULL value received in Pkg1

#### Pre-Conditions (Step 6)

### Procedures (Step 6)

Power down the DUT  
Insert the First UICC in the DUT

Perform a DM Session

Confirm ./DevInfo/Ext/ICCID Extension node is sent in Pkg1 to the DM Server

### Expected Results (Step 6)

DUT returns all the DevInfo Nodes as discussed in Reqs-OTADM Requirements, LTE-OTADM Requirements, and the following node:

DM Server logs show ./DevInfo/Ext/ICCID with ICCID value of the First UICC received in Pkg1

### Pre-Conditions (Step 7)

### Procedures (Step 7)

Power cycle the DUT

Perform a DM Session

Confirm ./DevInfo/Ext/ICCID Extension node is sent in Pkg1 to the DM Server

### Expected Results (Step 7)

DUT returns all the DevInfo Nodes as discussed in Reqs-OTADM Requirements, LTE-OTADM Requirements, and the following node:

DM Server logs show ./DevInfo/Ext/ICCID with ICCID value of the First UICC received in Pkg1



## 01.08 APN Management by OTADM server VZ\_TC\_LTEFIELDQA\_8555

This test case verifies a multiple Class 3 APN name changes by the OTADM server

Pre-Conditions (Step 1)
Need VZW active SIM card, Device under test with a sufficient battery level
Procedures (Step 1)
<ol style="list-style-type: none"> <li>1) Confirm connectivity to the network with the existing device</li> <li>2) Perform OTADM Session to change Class3 APN value to VZWTEST1</li> <li>3) Check connectivity with the network. Confirm APN name being sent = VZWTEST1</li> <li>4) Confirm Network denies access</li> <li>5) Perform another OTADM session to change Class3 APN to VZWINTERNET</li> <li>6) Confirm connectivity with the network</li> <li>7) Disconnection from network</li> </ol>
Expected Results (Step 1)
<ol style="list-style-type: none"> <li>1. Device has connectivity to the network</li> <li>2. Device perform OTADM session with DM server</li> <li>3. Device changes Class3 APN value to VZWTEST1</li> <li>4. Network denies the device access to the internet</li> <li>5. Device perform OTADM session with DM server</li> <li>6. Device changes Class3 APN value to VZWINTERNET</li> <li>7. Device successfully connects to the network</li> <li>8. Device successfully disconnects from the network</li> </ol>

## 01.09 AUTHENTICATION SECURITY KEY MIS-MATCH VZ\_TC\_LTEFIELDQA\_8541

Test and verify that the authentication algorithm implemented in the device is correct.

Pre-Conditions (Authentication Security Key Mismatch)
<ol style="list-style-type: none"> <li>1. Ensure the device is powered on and has sufficient battery power to establish and maintain a data call.</li> <li>2. Obtain instructions from the Device Vendor for changing the Password on the device</li> <li>3. Ensure the device is connected to the LTE live network (can be verified by the "4G" network indicator displayed on device UI or connection manager),</li> <li>4. The OTADM Server contains the OTADM Authentication key.</li> </ol>
Procedures (Authentication Security Key Mismatch)
<ol style="list-style-type: none"> <li>1. Login to DM server, and add your device to the OTADM Server,</li> <li>2. On the Device, change the server password</li> <li>3. Send a Get Command to retrieve APN Node (see Section 6.1)</li> </ol>
Expected Results (Authentication Security Key Mismatch)
<p>Step 3: Attempt to retrieve the APN nodes failed Device does return the APN parameters. OTADM Server request states failed.</p>

## 01.10 AUTHENTICATION SECURITY KEY MATCH VZ\_TC\_LTEFIELDQA\_8542

Test and verify that the authentication algorithm implemented in the device is correct.

Pre-Conditions (Authentication Security Key Match)	
<ol style="list-style-type: none"> <li>1. Ensure the device is powered on and has sufficient battery power to establish and maintain a data call.</li> <li>2. Ensure the device is connected to the LTE live network (can be verified by the "4G" network indicator displayed on device UI or connection manager).</li> </ol>	
Procedures (Authentication Security Key Match)	
<ol style="list-style-type: none"> <li>1. Login into and add your device to the OTADM Server,</li> <li>2. Apply the Correct MD5 password for the device password,</li> <li>3. Save the device,</li> <li>4. Send a Get command to retrieve the APN nodes from the OTADM Server (Refer to 6.1 test steps for details),</li> <li>5. Verify the command execution is successful.</li> </ol>	
Expected Results (Authentication Security Key Match)	
<p>The device shall successfully complete the transaction (no error messages) OTADM Server request states Operation is completed successfully.</p>	

## 01.13 CONNMO TREE INTERNET APN VERIFICATION AND OPERATION VZ\_TC\_LTEFIELDQA\_8545

Test and verify that all device requirements necessary to capture and modify selected LTE connectivity parameters have been met.

### Pre-Conditions (ConnMO Tree - INTERNET APN Verification and Operation)

1. Ensure the device is powered on and has sufficient battery power to establish and maintain a data call.
2. Ensure the device is connected to the LTE live network (can be verified by the "4G" network indicator displayed on device UI or connection manager).

### Procedures (ConnMO Tree - INTERNET APN Verification and Operation)

1. Verify the DUT can browse internet by going to a public internet website such as [www.yahoo.com](http://www.yahoo.com),
2. Using the OTADM Server, select the DUT,
3. From the OTADM Server, send a Get command to retrieve Internet APN nodes,
4. Wait till the device returns all the APN values to the server,
5. Verify the Internet APN values,
6. From the OTADM Server, send an Exec command to disable the Internet APN,
7. Wait till the ATM transaction completes,
8. Verify the device now cannot browse internet by attempt to launch a public website such as [www.yahoo.com](http://www.yahoo.com),
9. Repeat Steps 2-4 to retrieve the Internet APN settings again,
10. Verify the current "Enabled" property is set to "false",
11. From the OTADM Server, send an Exec command to enable the Internet APN,
12. Wait till the APN transaction completes,
13. Verify the device can now browse internet by launch a public website such as [www.yahoo.com](http://www.yahoo.com).

### Expected Results (ConnMO Tree - INTERNET APN Verification and Operation)

Step 1: The device can browse public internet successfully,  
Step 5: the DUT returns the following values for Internet APN:

- APN Id: 3
- APN Name: VZWINTERNET
- APN IP: "IPv4" or "IPv4 and IPv6"

- APN is Enabled,

Step 8: The device cannot browse public internet,

Step 10: The current internet APN is set to disabled,

Step 13: Device successfully launches public internet website.

## 01.14 CONNMO TREE APP APN VERIFICATION AND OPERATION

VZ\_TC\_LTEFIELDQA\_8546

Test and verify that all device requirements necessary to capture and modify selected LTE connectivity parameters have been met.

### Pre-Conditions (ConnMO Tree - APP APN Verification and Operation)

1. Ensure the device is powered on and has sufficient battery power to establish and maintain a data call.
2. Ensure the device is connected to the LTE live network (can be verified by the "4G" network indicator displayed on device UI or connection manager).

### Procedures (ConnMO Tree - APP APN Verification and Operation)

1. Verify the DUT can launch a VZW brand application on the device, such as Verizon messages
2. Using the OTADM Server, select the DUT,
3. From the OTADM Server, send a Get command to retrieve the VZWAPP APN nodes,
4. Wait till the device returns all the APN values to the server,
5. Verify the APP APN values,
6. From the OTADM Server, send an Exec command to disable the VZWAPP APN,
7. Wait till the APN transaction completes,
8. Attempt to bring up the same VZW brand application as in Step 1,
9. Repeat Steps 2-4 to retrieve the APP APN settings again,
10. Verify the current "Enabled" property is set to "false",
11. From the OTADM Server, send an Exec command to enable the VZWAPP APN,
12. Wait till the APN transaction completes,
13. Verify the device can now launch the same VZW brand application as in Step 1.

### Expected Results (ConnMO Tree - APP APN Verification and Operation)

Step 1: The device can bring up a VZW brand application successfully,

Step 5: the DUT returns the following values for APP APN:

- APN Id: 4
- APN Name: VZWAPP
- APN IP: "IPv4" or "IPv4 and IPv6"
- APN is Enabled,

Step 8: The attempt to bring up the same VZW brand application fails,

Step 10: the current APP APN is set to disabled,

Step 13: Device successfully launches the VZW brand application.

## 01.15 CONNMO TREE SMS OVER IMS VERIFICATION AND OPERATION VZ\_TC\_LTEFIELDQA\_8547

Test and verify that all device requirements necessary to capture and modify selected LTE connectivity parameters have been met.

This test case is not applicable to CDMAless devices.

### Pre-Conditions (ConnMO Tree - SMS over IMS Verification and Operation)

1. Ensure the device is powered on and has sufficient battery power to establish and maintain a data call.
2. Ensure the device is connected to the LTE live network (can be verified by the "4G" network indicator displayed on device UI or connection manager).
3. Device network mode is set to "LTE only",
4. Another device that is SMS capable is available.
5. Instructions on accessing the Device SMS log are available

### Procedures (ConnMO Tree - SMS over IMS Verification and Operation)

1. Verify the DUT can successfully send (MO)\_ an SMS message by sending an SMS to the other device, and the other device replying the SMS back,
2. From the OTADM Server, send a Get command to retrieve the ConnMO/IMS nodes,
3. Verify the IMS settings, when device responds
4. From the OTADM Server, send a Replace command to change the "sms\_over\_IP\_network\_indication" node value from "True" to "False",
5. Wait until the ConnMO transaction completes,
6. Attempt to send SMS message on the DUT,
7. Make a voice call on the device (if supported by the device) and browse on the Internet to verify that functionality is still working.
8. , From the OTADM Server, send a Replace command to change the "sms\_over\_IP\_network\_indication" node value from "False" to "True",
9. Verify the SMS over IMS value is stored as "True"
10. Repeat Steps 2 5 to verify the SMS over IMS value is restored to "True",
11. Send SMS from the DUT.

#### Expected Results (ConnMO Tree - SMS over IMS Verification and Operation)

Step 1: The device can send SMS successfully,

Step 3: the DUT returns the following values for IMS:

Domain: registrar.vzw.net

smsformat: 3GPP or 3GPP2

sms\_over\_IP\_network\_indication: True

Step 6: Check Device Log: Device does not send SMS over IMS

Step 7: The device is able to make a voice call (if supported by the device) and is able to browse the Internet.

Step 9: SMS IP Setting is set to "True"

Step 11: The device can send (MO)SMS successfully.



## 01.16 APN NAMES CASE INSENSITIVE TEST VZ\_TC\_LTEFIELDQA\_8548

Test and verify device treat APN names case insensitive.

### Pre-Conditions (APN Names Case Insensitive Test)

1. Ensure the device is powered on and has sufficient battery power to establish and maintain a data call,
2. Ensure the device is connected to the LTE live network (can be verified by the "4G" network indicator displayed on device UI or connection manager, or verify from data logging),
3. Launch browser and verify device has Internet PDN connection,
4. Device has default values for all APNs.

### Procedures (APN Names Case Insensitive Test)

1. Verify all 4 classes of APNs work by:
  1. IMS: verify the device is registered with LTE live network,
  2. ADMIN: will be verified in Step 2 below
  3. INTERNET: verified on #3 of previous section
  4. VZWAPP: verify the APN works properly by launching a VZW branded application, such as MyVerizon -> Data Usage.
2. On the OTADM Server, select the DUT,
3. From the OTADM Server, send the Replace commands to replace the APN names with opposite cases, for example, if the default APN names are capital letters, replace the APN names with lower cases, for APN3 and APN4 names,
4. Verify the device registers with LTE live network as expected by verifying the associated service icon/indicator,
5. Verify the devices APP APN by bringing up a VZW brand application, such as "My Verizon -> Data Usage",
6. Verify the devices internet APN by making an attempt to browse internet,
7. Repeat steps 4 - 7 to ensure all APNs are still functional as expected;
8. Repeat Steps 2 - 3 to replace the APN names with mixed case letters, for example, replace the APN names with vZWintErNEt, and VzwaPp, for the AN3 and APN4 names,
9. Repeat steps 4 - 7 to verify all APN functions are maintained,
10. Repeat steps 2 - 3 to restore the LTE APN names to default cases,
11. Repeat steps 4 7 to verify all APN functions are maintained.

#### Expected Results (APN Names Case Insensitive Test)

Step 4: Device registers with LTE live network by displaying a "4G" icon on the handset UI, if the device is a data card, it displays the associated 4G icon on its connection manager, or display an indicator on the device, or indicated from data logging,  
 Step 5: MyVerizon -> data usage is brought up successfully,  
 Step 6: The internet connection is successful,  
 Step 7: The OTADM Server request is successful,  
 Step 7, 9, and 11: same expected results as steps 3 6.

## 01.17 TLS Protocol for DM sessions VZ\_TC\_LTEFIELDQA\_8842

Test and verify that device uses TLS protocols and not SSL

Pre-Conditions (Step 1)
<ol style="list-style-type: none"> <li>1. Ensure the device is powered on and has sufficient battery power to establish and maintain a data call.</li> <li>2. Ensure the device is connected to the VZW cellular network (can be verified by the "4G" network indicator displayed on device UI or connection manager).</li> <li>3. Run any tool like wireshark to capture network traffic from the DUT</li> </ol>
Procedures (Step 1)
<p>Send Pkg0 WAP Push from DM server to DUT</p> <p>Perform Get operation on ./ManagedObjects/ConnMO/LTE/APN/1/Setting/Name</p>
Expected Results (Step 1)
<p>DUT returns IMS</p> <p>Review the logs from the DUT to confirm that DUT uses TLS protocols and not the SSL</p>

## 01.19 APN Settings Persistence through Factory Reset and Power Cycle VZ\_TC\_LTEFIELDQA\_1347842

### Pre-Conditions (Factory Reset)

### Procedures (Factory Reset)

1. Verify the DUT can browse internet by going to a public internet website such as www.yahoo.com,
2. Using the OTADM Server, select the DUT,
3. From the OTADM Server, send a Get command to retrieve all the APN nodes,
4. Wait till the device to return all the APN values to the server,
5. Verify the APN values,
6. From the OTADM Server, send an Exec command to disable the Internet APN,
7. Wait till the ATM transaction completes,
8. Verify the device now cannot browse internet by attempt to launch a public website such as www.yahoo.com,
9. Go in to DUT settings and perform a Full Factory Reset
10. Repeat Steps 2-4 to retrieve the APN settings again,
11. Verify the current "Enabled" property is set to "false",
12. From the OTADM Server, send an Exec command to enable the Internet APN,
13. Wait till the APN transaction completes,
14. Verify the device can now browse internet by launching a public website such as www.yahoo.com.
15. Using the OTADM Server, select the DUT,
16. Perform the Replace operations from the DM Server on the DUT  
./ManagedObjects/ConnMO/LTE/APN/3/Setting/Name FOTATestFactoryReset
17. Wait till the ATM transaction completes,
18. Verify the device now cannot browse internet by attempt to launch a public website such as www.yahoo.com,
19. Go in to DUT settings and perform a Full Factory Reset
20. Perform the GET operations from the DM Server on the DUT for all APN values
21. Perform the Replace operations from the DM Server on the DUT  
./ManagedObjects/ConnMO/LTE/APN/3/Setting/Name VZWINTERNET
22. Wait till the APN transaction completes,
23. Verify the device can now browse internet by launch a public website such as www.yahoo.com.

### Expected Results (Factory Reset)

Step1: The device can browse public internet successfully,

Step 3: the DUT returns the following values for APN:

- APN Id: 1
- APN Name: IMS
- APN IP: "IPv4" or "IPv4 and IPv6"
- APN is Enabled,
- APN Id: 2
- APN Name: VZWADMIN
- APN IP: "IPv4" or "IPv4 and IPv6"
- APN is Enabled,
- APN Id: 3
- APN Name: VZWINTERNET
- APN IP: "IPv4" or "IPv4 and IPv6"
- APN is Enabled,
- APN Id: 4
- APN Name: VZWAPP
- APN IP: "IPv4" or "IPv4 and IPv6"
- APN is Enabled,

Step 8: The device cannot browse public internet,

Step 10: The current internet APN is set to disabled,

Step 14: Device successfully launches public internet website.

Step 18: The device cannot browse public internet,

Step 20: The DUT returns the following values for APN:

- APN Id: 1
- APN Name: IMS
- APN IP: "IPv4" or "IPv4 and IPv6"
- APN is Enabled,
- APN Id: 2
- APN Name: VZWADMIN
- APN IP: "IPv4" or "IPv4 and IPv6"
- APN is Enabled,
- APN Id: 3
- APN Name: FOTATestFactoryReset
- APN IP: "IPv4" or "IPv4 and IPv6"
- APN is Enabled,
- APN Id: 4
- APN Name: VZWAPP
- APN IP: "IPv4" or "IPv4 and IPv6"

- APN is Enabled,

Step 23: Device successfully launches public internet website.

#### Pre-Conditions (Power Cycle)

#### Procedures (Power Cycle)

1. Verify the DUT can browse internet by going to a public internet website such as www.yahoo.com,
2. Using the OTADM Server, select the DUT,
3. From the OTADM Server, send a Get command to retrieve Internet APN nodes,
4. Wait till the device returns all the APN values to the server,
5. Verify the Internet APN values,
6. From the OTADM Server, send an Exec command to disable the Internet APN,
7. Wait till the ATM transaction completes,
8. Verify the device now cannot browse internet by attempt to launch a public website such as www.yahoo.com,
9. Power Cycle the device
10. Repeat Steps 2-4 to retrieve the Internet APN settings again,
11. Verify the current "Enabled" property is set to "false",
12. From the OTADM Server, send an Exec command to enable the Internet APN,
13. Wait till the APN transaction completes,
14. Verify the device can now browse internet by launching a public website such as www.yahoo.com.
15. Using the OTADM Server, select the DUT,
16. Perform the Replace operations from the DM Server on the DUT  
./ManagedObjects/ConnMO/LTE/APN/3/Setting/Name VZWTest
17. Wait till the ATM transaction completes,
18. Verify the device now cannot browse internet by attempt to launch a public website such as www.yahoo.com,

19. Go in to DUT settings and perform a Full Factory Reset
20. Perform the GET operations from the DM Server on the DUT  
./ManagedObjects/ConnMO/LTE/APN/3/Setting/Name
21. Perform the Replace operations from the DM Server on the DUT  
./ManagedObjects/ConnMO/LTE/APN/3/Setting/Name VZWINTERNET
22. Wait till the APN transaction completes,
23. Verify the device can now browse internet by launch a public website such as www.yahoo.com.

#### Expected Results (Power Cycle)

Step1: The device can browse public internet successfully,

Step 5: the DUT returns the following values for all APNs:

- APN Id: 1
- APN Name: IMS
- APN IP: "IPv4" or "IPv4 and IPv6"
- APN is Enabled,
- APN Id: 2
- APN Name: VZWADMIN
- APN IP: "IPv4" or "IPv4 and IPv6"
- APN is Enabled,
- APN Id: 3
- APN Name: VZWINTERNET
- APN IP: "IPv4" or "IPv4 and IPv6"
- APN is Enabled,
- APN Id: 4
- APN Name: VZWAPP
- APN IP: "IPv4" or "IPv4 and IPv6"
- APN is Enabled,

Step 8: The device cannot browse public internet,

Step 10: The current internet APN is set to disabled,

Step 14: Device successfully launches public internet website.

Step 18: The device cannot browse public internet,

Step 20: The current internet APN name is set to VZWTest

Step 23: Device successfully launches public internet website.



## 1.22 Verify DMAcc Nodes VZ\_TC\_LTEFIELDQA\_7373996

Test and verify that the DMAcc nodes are implemented in the device correctly. This test case verifies support of VZ\_REQ\_LTEOTADM\_7671.

### Pre-Conditions (Verify the DMAcc nodes)

1. Ensure the device is powered on and has sufficient battery power to establish and maintain a data call.
2. Ensure the device is connected to the LTE live network (can be verified by the "4G" network indicator displayed on device UI or connection manager),

### Procedures (Verify the DMAcc nodes)

1. Using OTADM Server GUI, select the DUT.
2. Send a Get command to retrieve the various node values of the DMAcc DM tree.
3. Wait for the data to be retrieved from the DUT.
4. Verify the DMAcc tree nodes returned values.
5. Close the results window.

### Expected Results (Verify the DMAcc nodes)

The device shall successfully complete the transactions without an error message, and return the values as specified in Table below.

<b>DMAcc Subtree</b>			
<b>DMAcc Subtree</b>	<b>Expected Result</b>	<b>Value Type</b>	<b>Commands</b>
./DMAcc/AppID	W7	Char	Get
./DMAcc/ServerID	com.vzwdmserver	Char	Get
./DMAcc/Name	VZW DM Server	Char	Get
./DMAcc/AppAddr	Addr/AddrType/Port	Char	Get
./DMAcc/AppAddr/Addr	https://4g2.vzwdm.com	Char	Get
./DMAcc/AppAddr/AddrType	URI	Char	Get
./DMAcc/AppAddr/Port	443	Char	Get
./DMAcc/AAAuthPref	syncml:auth-md5	Char	Get

./DMAcc/AppAuth	Client/Server		Get
./DMAcc/AppAuth/Client	AAuthLevel/AAuthType/AAuthName/AAuthSecret/AAuthData		Get
./DMAcc/AppAuth/Client/AAuthLevel	CLCRED	Char	Get
./DMAcc/AppAuth/Client/AAuthType	Digest	Char	Get
./DMAcc/AppAuth/Client/AAuthName	IMEI	Char	Get
./DMAcc/AppAuth/Server	AAuthLevel/AAuthType/AAuthName/AAuthSecret/AAuthData		Get
./DMAcc/AppAuth/Server/AAuthLevel	SRVCRED	Char	Get
./DMAcc/AppAuth/Server/AAuthType	Digest	Char	Get
./DMAcc/AppAuth/Server/AAuthName	com.vzwdmserver	Char	Get
Pre-Conditions (Verify values persist after FDR)			
Procedures (Verify values persist after FDR)			
Perform a factory data reset on the device.			
Rerun the first step of this test case			
Expected Results (Verify values persist after FDR)			
Verify the values persisted through the factory data reset.			

## 1.23 Verify REPLACE on the DMAcc nodes VZ\_TC\_LTEFIELDQA\_7374147

Verify that the REPLACE on the DMAcc nodes are implemented in the device correctly. This test case verifies support of VZ\_REQ\_LTEOTADM\_7671.

Pre-Conditions (Verify REPLACE on the DMAcc nodes)			
<ol style="list-style-type: none"> <li>1. Ensure the device is powered on and has sufficient battery power to establish and maintain a data call.</li> <li>2. Ensure the device is connected to the LTE live network (can be verified by the "4G" network indicator displayed on device UI or connection manager).</li> </ol>			
Procedures (Verify REPLACE on the DMAcc nodes)			
<ol style="list-style-type: none"> <li>1. Using OTADM Server GUI, select the DUT.</li> <li>2. Send a Replace command to change the AppAddr node values of the DMAcc DM tree.</li> <li>3. Wait for the data to be retrieved from the DUT.</li> <li>4. Verify the DMAcc tree nodes returned values.</li> <li>5. Close the results window.</li> </ol>			
Expected Results (Verify REPLACE on the DMAcc nodes)			
The device shall successfully complete the transactions without an error message, and return the values as specified in the Table below.			
<b>DMAcc Subtree</b>			
<b>DMAcc Subtree</b>	<b>Expected Result</b>	<b>Value Type</b>	<b>Commands</b>
./DMAcc/AppAddr/Addr	Replace the value with i.e. non-secure parameters (http://, port: 80, URI) and verify that device utilizes the new value.	Char	Replace
./DMAcc/AppAddr/AddrType	Replace the value with i.e. non-secure parameters (http://, port: 80, URI) and verify that device utilizes the new value.	Char	Replace

./DMAcc/AppAddr/Port	Replace the value with i.e. non-secure parameters (http://, port: 80, URI) and verify that device utilizes the new value.	Char	Replace
Pre-Conditions (Verify Replaced nodes do not persist through a software flash with the service support tool or OEM provided APK)			
Values in the DMAcc subtree have been modified			
Procedures (Verify Replaced nodes do not persist through a software flash with the service support tool or OEM provided APK)			
<p>Perform a software flash with the service support tool or OEM provided APK.</p> <p>Rerun Step 1</p>			
Expected Results (Verify Replaced nodes do not persist through a software flash with the service support tool or OEM provided APK)			
Verify the changes to the DMAcc nodes did not persist through the software flash			

## 1.24 Verify the DevInfo nodes VZ\_TC\_LTEFIELDQA\_7374180

Verify that the GET on the DevInfo nodes are implemented in the device correctly. This test case verifies support of VZ\_REQ\_LTEOTADM\_7672.

### Pre-Conditions (Verify the DevInfo nodes)

1. Ensure the device is powered on and has sufficient battery power to establish and maintain a data call.
2. Ensure the device is connected to the LTE live network (can be verified by the "4G" network indicator displayed on device UI or connection manager).

### Procedures (Verify the DevInfo nodes)

1. Using OTADM Server GUI, select the DUT.
2. Send a GET command to retrieve the various node values of the DevInfo DM tree.
3. Wait for the data to be retrieved from the DUT.
4. Verify the DevInfo tree nodes returned values.
5. Close the results window.

### Expected Results (Verify the DevInfo nodes)

The device shall successfully complete the transactions without an error message, and return the values as specified in the Table below.

<i>DevInfo Nodes</i>	<i>Expected Result</i>	<i>Value Type</i>	<i>Command</i>
./DevInfo/DevId	"IMEI:x", with x being the value of the IMEI (without quotes).	Char	Get
./DevInfo/DmV	1.2	Char	Get
./DevInfo/Lang	English or en_us	Char	Get
./DevInfo/Man	<Manufacturer Name>	Char	Get
./DevInfo/Mod	<Model number> Note: value must match with the model number listed in Tech Survey	Char	Get
./DevInfo/Ext	Node	Char	Get

./DevInfo/Ext/ICCID	UICC's ICCID Value, <null> is acceptable if UICC is not present in device. Device shall attempt to read the value of ICCID every time device is powered on. Device shall report the ICCID Extension Node value during a Device Management Package 1 session along with all the other DevInfo node values.		Get
Pre-Conditions (Verify values persist after a factory data reset)			
Procedures (Verify values persist after a factory data reset)			
<p>Perform a factory data reset on the device</p> <p>Rerun step 1 of this test case</p>			
Expected Results (Verify values persist after a factory data reset)			
Verify the values persisted through the factory data reset			

## 1.25 Verify the DevDetail node VZ\_TC\_LTEFIELDQA\_7374181

Verify that the GET on the DevDetail nodes are implemented in the device correctly. This test case verifies support of VZ\_REQ\_LTEOTADM\_7673.

Pre-Conditions (Verify the DevDetail nodes)			
<ol style="list-style-type: none"> <li>1. Ensure the device is powered on and has sufficient battery power to establish and maintain a data call.</li> <li>2. Ensure the device is connected to the LTE live network (can be verified by the "4G" network indicator displayed on device UI or connection manager).</li> </ol>			
Procedures (Verify the DevDetail nodes)			
<ol style="list-style-type: none"> <li>1. Using OTADM Server GUI, select the DUT.</li> <li>2. Send a GET command to retrieve the various node values of the DevDetail DM tree.</li> <li>3. Wait for the data to be retrieved from the DUT.</li> <li>4. Verify the DevDetail tree nodes returned values.</li> <li>5. Close the results window.</li> </ol>			
Expected Results (Verify the DevDetail nodes)			
The device shall successfully complete the transactions without an error message, and return the values as specified in the Table below.			
<i>DevDetail Nodes</i>	<i>Expected Result</i>	<i>Value type</i>	<i>Command</i>
./DevDetail/URI	MaxDepth/MaxSegLen/MaxTotLen	Char	Get
./DevDetail/URI/MaxDepth	12	Char	Get
./DevDetail/URI/MaxSegLen	32	Char	Get
./DevDetail/URI/MaxTotLen	127	Char	Get
./DevDetail/DevTyp	<value>  Smartphone  Tablet	Char	Get

	Basic Phone Home Mobile Hotspot Connected Device Wearable		
./DevDetail/FwV	<value>	Char	Get
./DevDetail/HwV	<value>	Char	Get
./DevDetail/LrgObj	True, False	Char	Get
./DevDetail/OEM	<value>	Char	Get
./DevDetail/SwV	<value> (*) Converged devices only - field used to track Operating System version.	Char	Get
Pre-Conditions (Verify values persist after a factory data reset)			
Procedures (Verify values persist after a factory data reset)			
Perform a factory data reset on the device  Rerun step 1 of this test case			
Expected Results (Verify values persist after a factory data reset)			
Verify values persist through the factory data reset.			



## 1.26 APN MANAGEMENT TRIGGERED BY MOBILE AUTOMATIC DEVICE DETECTION (ADD) with Applications running VZ\_TC\_LTEFIELDQA\_7374209

Test and verify APN management triggered by mobile activate is successful while any of the following applications are running:

1. Gmail
2. Google Maps
3. Google Search
4. Youtube
5. Facebook
6. WhatsApp
7. Google Text to Speech
8. Google Books
9. Facebook Messenger
10. Spotify
11. Tumblr
12. Snapchat
13. BBC News
14. Netflix

Repeat the below procedure when each of the above applications is running in the foreground.

### Pre-Conditions (APN Management Triggered by Mobile Automatic Device Detection (ADD) - LTE)

1. Device with UICC is powered on and registered with live LTE network
2. Access to a non-commercial (test) OTADM Server is available
3. OEM instruction of changing device bootstrap is available

### Procedures (APN Management Triggered by Mobile Automatic Device Detection

#### (ADD) - LTE)

1. Run one application from the above list in the foreground
2. Use the Test OTADM Server GUI, and retrieve the complete ConnMO tree; Get the vendor defined "\*" values for all LTE APN names, and identify the \* value for VZWINTERNET APN
3. From the OTADM Server, send a Replace command to change the VZWINTERNET APN value to "vzwtest". Wait for values to be returned
4. Replace the Internet APN name back to VZWINTERNET
5. Repeat steps 1 – 4 while each of the applications from the list above are running in the foreground

#### Expected Results (APN Management Triggered by Mobile Automatic Device Detection (ADD) - LTE)

Step 2: Verify DUT returns all APN names

Step 3: Verify that DUT cannot access the Internet

Step 4: Verify that DUT can access the Internet

Step 5: The device should provide appropriate responses to the commands from the DM server while each of the applications is running in the foreground

## 1.27 Root Certificate Verification VZ\_TC\_LTEFIELDQA\_8408737

This test case will verify that the device can setup a SSL connection with the DM server using the following Root Certificates:

- DigiCert Global Root CA (Serial #: 08:3B:E0:56:90:42:46:B1:A1:75:6A:C9:59:91:C7:4A)
- DigiCert Global Root G2 (Serial #: 03:3A:F1:E6:A7:11:A9:A0:BB:28:64:B1:1D:09:FA:E5)
- DigiCert Trusted Root G4 (Serial #: 05:9B:1B:57:9E:8E:21:32:E2:39:07:BD:A7:77:75:5C)
- DigiCert TLS ECC P384 Root G5 (Serial #: 09:E0:93:65:AC:F7:D9:C8:B9:3E:1C:0B:04:2A:2E:F3)
- DigiCert TLS RSA4096 Root G5 (Serial #: 08:F9:B4:78:A8:FA:7E:DA:6A:33:37:89:DE:7C:CF:8A)

The test will also verify whether the device uses the following Cipher Suites:

- TLS\_ECDHE\_RSA\_WITH\_AES\_128\_GCM\_SHA256 (0xC02F)
- TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384 (0xC030)

### Pre-Conditions (Step 1 -- DigiCert Global Root CA)

Device has pre-loaded the following Root Certificates:

DigiCert Global Root CA (Serial #: 08:3B:E0:56:90:42:46:B1:A1:75:6A:C9:59:91:C7:4A)  
DigiCert Global Root G2 (Serial #: 03:3A:F1:E6:A7:11:A9:A0:BB:28:64:B1:1D:09:FA:E5)  
DigiCert Trusted Root G4 (Serial #: 05:9B:1B:57:9E:8E:21:32:E2:39:07:BD:A7:77:75:5C)  
DigiCert TLS ECC P384 Root G5 (Serial #: 09:E0:93:65:AC:F7:D9:C8:B9:3E:1C:0B:04:2A:2E:F3)  
DigiCert TLS RSA4096 Root G5 (Serial #: 08:F9:B4:78:A8:FA:7E:DA:6A:33:37:89:DE:7C:CF:8A)

Device has pre-loaded the following Cipher Suites:

- 
- 
- TLS\_ECDHE\_RSA\_WITH\_AES\_128\_GCM\_SHA256 (0xC02F)
- TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384 (0xC030)

### Procedures (Step 1 -- DigiCert Global Root CA)

1. Setup the OMADM server with only the DigiCert Global Root CA root certificate only.
2. Power on the device.
3. Initiate a DM session with the DUT from the DM Server.
4. The device should be able to successfully setup a connection with the DM server using the DigiCert Global Root CA root certificate.
5. Verify the Logs on the DM server to see whether the device used the appropriate Cipher Suites.

### Expected Results (Step 1 -- DigiCert Global Root CA)

1. OMADM server is setup with only the DigiCert Global Root CA root certificate only.
2. The device powers on and attaches to the network.
3. The device responds to the WAP Push from the DM server.
4. The device successfully sets up a connection with the DM server using the DigiCert Global Root CA root certificate.
5. DM server logs show that the device connected with the DM server using the DigiCert Global Root CA root certificate and the appropriate Cipher Suite.

### Pre-Conditions (Step 2 -- DigiCert Global Root G2)

Device has pre-loaded the following Root Certificates:

DigiCert Global Root CA (Serial #:  
08:3B:E0:56:90:42:46:B1:A1:75:6A:C9:59:91:C7:4A)

DigiCert Global Root G2 (Serial #:  
03:3A:F1:E6:A7:11:A9:A0:BB:28:64:B1:1D:09:FA:E5)

DigiCert Trusted Root G4 (Serial #:  
05:9B:1B:57:9E:8E:21:32:E2:39:07:BD:A7:77:75:5C)

DigiCert TLS ECC P384 Root G5 (Serial #:  
09:E0:93:65:AC:F7:D9:C8:B9:3E:1C:0B:04:2A:2E:F3)

DigiCert TLS RSA4096 Root G5 (Serial #:  
08:F9:B4:78:A8:FA:7E:DA:6A:33:37:89:DE:7C:CF:8A)

Device has pre-loaded the following Cipher Suites:

- 
-

- TLS\_ECDHE\_RSA\_WITH\_AES\_128\_GCM\_SHA256 (0xC02F)
- TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384 (0xC030)

#### Procedures (Step 2 -- DigiCert Global Root G2)

1. Setup the OMADM server with only the DigiCert Global Root G2 root certificate only.
2. Power on the device.
3. Initiate a DM session with the DUT from the DM Server.
4. The device should be able to successfully setup a connection with the DM server using the DigiCert Global Root G2 root certificate.
5. Verify the Logs on the DM session to see whether the device used the appropriate Cipher Suites.

#### Expected Results (Step 2 -- DigiCert Global Root G2)

1. OMADM server is setup with only the DigiCert Global Root G2 root certificate only.
2. The device powers on and attaches to the network.
3. The device responds to the WAP Push from the DM server.
4. The device successfully sets up a connection with the DM server using the DigiCert Global Root G2 root certificate.
5. DM server logs show that the device connected with the DM server using the DigiCert Global Root G2 root certificate and the appropriate Cipher Suites.

#### Pre-Conditions (Step 3 -- DigiCert Trusted Root G4)

Device has pre-loaded the following Root Certificates:

DigiCert Global Root CA (Serial #:  
08:3B:E0:56:90:42:46:B1:A1:75:6A:C9:59:91:C7:4A)

DigiCert Global Root G2 (Serial #:  
03:3A:F1:E6:A7:11:A9:A0:BB:28:64:B1:1D:09:FA:E5)

DigiCert Trusted Root G4 (Serial #:  
05:9B:1B:57:9E:8E:21:32:E2:39:07:BD:A7:77:75:5C)

DigiCert TLS ECC P384 Root G5 (Serial #:  
09:E0:93:65:AC:F7:D9:C8:B9:3E:1C:0B:04:2A:2E:F3)

DigiCert TLS RSA4096 Root G5 (Serial #:  
08:F9:B4:78:A8:FA:7E:DA:6A:33:37:89:DE:7C:CF:8A)

Device has pre-loaded the following Cipher Suites:

- 
- 
- TLS\_ECDHE\_RSA\_WITH\_AES\_128\_GCM\_SHA256 (0xC02F)
- TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384 (0xC030)

#### Procedures (Step 3 -- DigiCert Trusted Root G4)

1. Setup the OMADM server with only the DigiCert Trusted Root G4 root certificate only.
2. Power on the device.
3. Initiate a DM session with the DUT from the DM Server.
4. The device should be able to successfully setup a connection with the DM server using the DigiCert Trusted Root G4 root certificate.
5. Verify the Logs on the DM session to see whether the device used the appropriate Cipher Suites.

#### Expected Results (Step 3 -- DigiCert Trusted Root G4)

1. OMADM server is setup with only the DigiCert Trusted Root G4 root certificate only.
2. The device powers on and attaches to the network.
3. The device responds to the WAP Push from the DM server.
4. The device successfully sets up a connection with the DM server using the DigiCert Trusted Root G4 root certificate.
5. DM server logs show that the device connected with the DM server using the DigiCert Trusted Root G4 root certificate and the appropriate Cipher Suites.

#### Pre-Conditions (Step 4- Verify DigiCert TLS ECC P384 Root G5)

Device has pre-loaded the following Root Certificates:

DigiCert Global Root CA (Serial #:  
08:3B:E0:56:90:42:46:B1:A1:75:6A:C9:59:91:C7:4A)  
DigiCert Global Root G2 (Serial #:  
03:3A:F1:E6:A7:11:A9:A0:BB:28:64:B1:1D:09:FA:E5)  
DigiCert Trusted Root G4 (Serial #:  
05:9B:1B:57:9E:8E:21:32:E2:39:07:BD:A7:77:75:5C)

DigiCert TLS ECC P384 Root G5 (Serial #:

09:E0:93:65:AC:F7:D9:C8:B9:3E:1C:0B:04:2A:2E:F3)

DigiCert TLS RSA4096 Root G5 (Serial #:  
08:F9:B4:78:A8:FA:7E:DA:6A:33:37:89:DE:7C:CF:8A)

Device has pre-loaded the following Cipher Suites:

- 
- 
- TLS\_ECDHE\_RSA\_WITH\_AES\_128\_GCM\_SHA256 (0xC02F)
- TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384 (0xC030)

#### Procedures (Step 4- Verify DigiCert TLS ECC P384 Root G5)

1. Setup the OMADM server with only the DigiCert Trusted Root G4 root certificate only.
2. Power on the device.
3. Initiate a DM session with the DUT from the DM Server.
4. The device should be able to successfully setup a connection with the DM server using the DigiCert Trusted Root G4 root certificate.
5. Verify the Logs on the DM session to see whether the device used the appropriate Cipher Suites.

#### Expected Results (Step 4- Verify DigiCert TLS ECC P384 Root G5)

1. OMADM server is setup with only the DigiCert Trusted Root G4 root certificate only.
2. The device powers on and attaches to the network.
3. The device responds to the WAP Push from the DM server.
4. The device successfully sets up a connection with the DM server using the DigiCert Trusted Root G4 root certificate.
5. DM server logs show that the device connected with the DM server using the DigiCert Trusted Root G4 root certificate and the appropriate Cipher Suites.

#### Pre-Conditions (Step 5- DigiCert TLS RSA4096 Root G5)

Device has pre-loaded the following Root Certificates:

DigiCert Global Root CA (Serial #:  
08:3B:E0:56:90:42:46:B1:A1:75:6A:C9:59:91:C7:4A)

DigiCert Global Root G2 (Serial #:  
03:3A:F1:E6:A7:11:A9:A0:BB:28:64:B1:1D:09:FA:E5)

DigiCert Trusted Root G4 (Serial #:  
05:9B:1B:57:9E:8E:21:32:E2:39:07:BD:A7:77:75:5C)

DigiCert TLS ECC P384 Root G5 (Serial #:  
09:E0:93:65:AC:F7:D9:C8:B9:3E:1C:0B:04:2A:2E:F3)

DigiCert TLS RSA4096 Root G5 (Serial #:  
08:F9:B4:78:A8:FA:7E:DA:6A:33:37:89:DE:7C:CF:8A)

Device has pre-loaded the following Cipher Suites:

- 
- 
- TLS\_ECDHE\_RSA\_WITH\_AES\_128\_GCM\_SHA256 (0xC02F)
- TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384 (0xC030)

#### Procedures (Step 5- DigiCert TLS RSA4096 Root G5)

1. Setup the OMADM server with only the DigiCert Trusted Root G4 root certificate only.
2. Power on the device.
3. Initiate a DM session with the DUT from the DM Server.
4. The device should be able to successfully setup a connection with the DM server using the DigiCert Trusted Root G4 root certificate.
5. Verify the Logs on the DM session to see whether the device used the appropriate Cipher Suites.

#### Expected Results (Step 5- DigiCert TLS RSA4096 Root G5)

1. OMADM server is setup with only the DigiCert Trusted Root G4 root certificate only.
2. The device powers on and attaches to the network.
3. The device responds to the WAP Push from the DM server.
4. The device successfully sets up a connection with the DM server using



the DigiCert Trusted Root G4 root certificate.

5. DM server logs show that the device connected with the DM server using the DigiCert Trusted Root G4 root certificate and the appropriate Cipher Suites.

## 01.29 HTTP Header X-Session-Type Validation VZ\_TC\_LTEFIELDQA\_4105999311930956

This test case is to validate the device is supporting HTTP Header X-Session -Type parameter in device management scenarios.

<b>Pre-Conditions (Step 1- NI)</b>
Device is powered on and in an acceptable Verizon coverage area.
<b>Procedures (Step 1- NI)</b>
Start a Network initiated session from the DM server and perform a GET operation on the node ./DevDetail/FwV
<b>Expected Results (Step 1- NI)</b>
<p>Verify in server log the device provided the expected firmware version.</p> <p>Logs also indicate the device connected with HTTP Header parameter X-Session-Type: network</p>
<b>Pre-Conditions (Step 2- DI)</b>
<p>This test step is applicable to devices supporting DI jobs with a periodic check-in mechanism.</p> <p>Device is in good coverage and is active for service with Verizon and powered on.</p>
<b>Procedures (Step 2- DI)</b>
<p>From the DM server, initiated a session with the DUT and REPLACE the node ./ManagedObjects/DCMO/CheckIn/Value with a value of -5</p> <p>Close the DM session and wait a period of 5 minutes to allow device to check in with the server</p>
<b>Expected Results (Step 2- DI)</b>
<p>Validate the check in occurred at the expected interval based on server logs.</p> <p>Verify the HTTP X-Session-Type Header showed a value of X-Session-Type: device</p>

### Pre-Conditions (Step 3- UI)

This step is only applicable to devices supporting a user initiated check in mechanism (Check for update, etc.)

Device is in good VZ coverage and is active on the network

DUT is powered on

### Procedures (Step 3- UI)

From the UI (or other OEM specified means) generate a check for update from the devices user interface.

Await response from server. Proceed with the defined user experience to apply the update if applicable

### Expected Results (Step 3- UI)

From the server logs validate the device sent a user initiated check in to the server

Verify the device supplied the X-Session-Type: user in the HTTP header

## RequirementCoverageForTestPlan

### 01.01 VERIFY LTE CONNMO DM TREES VZ TC LTFIELD OA 8540

Requirement Name	Requirement Plan Id	Created By	Created Date
ADD Flow Requirements	LTEOTADM	Admin User	11-07-0013 15:01:17
APN ID	LTEOTADM	Admin User	11-07-0013 15:01:24
APN Name	LTEOTADM	Admin User	11-07-0013 15:01:27
APN Name Format	LTEOTADM	Admin User	11-07-0013 15:01:48
Connectivity Management	LTEOTADM	Admin User	11-07-0013 15:01:19
Enabled	LTEOTADM	Admin User	11-07-0013 15:01:30
IP	LTEOTADM	Admin User	11-07-0013 15:01:29
Service Availability for APN Parameter Changes	LTEOTADM	Admin User	11-07-0013 15:01:25

### 01.02 APN MANAGEMENT TRIGGERED BY MOBILE AUTOMATIC DEVICE DETECTION (ADD) VZ TC LTFIELD OA 8549

Requirement Name	Requirement Plan Id	Created By	Created Date
ADD Flow Requirements	LTEOTADM	Admin User	11-07-0013 15:01:17
APN ID	LTEOTADM	Admin User	11-07-0013 15:01:24

APN Name	LTEOTADM	Admin User	11-07-0013 15:01:27
APN Name Format	LTEOTADM	Admin User	11-07-0013 15:01:48
Connectivity Management	LTEOTADM	Admin User	11-07-0013 15:01:19
Enabled	LTEOTADM	Admin User	11-07-0013 15:01:30
IP	LTEOTADM	Admin User	11-07-0013 15:01:29
Service Availability for APN Parameter Changes	LTEOTADM	Admin User	11-07-0013 15:01:25

#### 01.05 OTADM-013-IPv6 Successful Connectivity Testing VZ\_TC\_LTEFIELDQA\_8552

Requirement Name	Requirement Plan Id	Created By	Created Date
Connection Failure During a DM Session	LTEOTADM	Admin User	01-15-0014 09:32:59
Connection Setup Failure	LTEOTADM	Admin User	01-15-0014 09:26:51
Connectivity Management	LTEOTADM	Admin User	11-07-0013 15:01:19
IPv6 Connection	LTEOTADM	Admin User	01-15-0014 09:14:52

#### 01.06 OTADM-014-IPv4 Successful Connectivity Testing VZ\_TC\_LTEFIELDQA\_8553

Requirement Name	Requirement Plan Id	Created By	Created Date
------------------	---------------------	------------	--------------

Connection Failure During a DM Session	LTEOTADM	Admin User	01-15-0014 09:32:59
Connection Setup Failure	LTEOTADM	Admin User	01-15-0014 09:26:51
Connectivity Management	LTEOTADM	Admin User	11-07-0013 15:01:19
IPv6 Connection	LTEOTADM	Admin User	01-15-0014 09:14:52

#### 01.07 DEVINFO EXTENSION NODE TEST VZ\_TC LTEFIELDQA 8554

Requirement Name	Requirement Plan Id	Created By	Created Date
ICCID Extended Node Support	LTEOTADM	Admin User	11-07-0013 15:12:09

#### 01.08 APN Management by OTADM server VZ\_TC LTEFIELDQA 8555

Requirement Name	Requirement Plan Id	Created By	Created Date
ADD Flow Requirements	LTEOTADM	Admin User	11-07-0013 15:01:17
Service Availability for APN Parameter Changes	LTEOTADM	Admin User	11-07-0013 15:01:25

#### 01.09 AUTHENTICATION SECURITY KEY MIS-MATCH VZ\_TC LTEFIELDQA 8541

Requirement Name	Requirement Plan Id	Created By	Created Date
DM Notification via SMS message	LTEOTADM	Admin	11-07-0013

(Trigger)		User	15:01:57
LTE Service Required	LTEOTADM	Admin User	11-07-0013 15:01:03
LTE Service Required	LTEOTADM	Admin User	11-07-0013 15:01:07
Network Initiated (NI) Retry	LTEOTADM	Admin User	11-07-0013 15:01:04
Update - Fatal Error	LTEOTADM	Admin User	11-07-0013 15:01:15

#### 01.10 AUTHENTICATION SECURITY KEY MATCH VZ\_TC LTEFIELDQA 8542

Requirement Name	Requirement Plan Id	Created By	Created Date
Authentication Key	LTEOTADM	Admin User	11-07-0013 15:00:50
Confidentiality (Data Encryption)	LTEOTADM	Admin User	11-07-0013 15:01:49
DM Notification via SMS message (Trigger)	LTEOTADM	Admin User	11-07-0013 15:01:57
Factory Bootstrapping	LTEOTADM	Admin User	11-07-0013 15:01:43
Failed Authentication Attempt Handling	LTEOTADM	Admin User	11-07-0013 15:00:48
LTE Service Required	LTEOTADM	Admin User	11-07-0013 15:01:03
LTE Service Required	LTEOTADM	Admin User	11-07-0013 15:01:07
Mutual Authentication	LTEOTADM	Admin User	11-07-0013 15:01:56

Network Initiated (NI) Retry	LTEOTADM	Admin User	11-07-0013 15:01:04
PDN Provisioning for OTADM Device Management Traffic	LTEOTADM	Admin User	11-07-0013 15:01:46
Package 0 Authentication (Notification Initiation Session Message)	LTEOTADM	Admin User	11-07-0013 15:01:52
Update - Fatal Error	LTEOTADM	Admin User	11-07-0013 15:01:15
User Experience (Device)	LTEOTADM	Admin User	11-07-0013 15:00:32

#### 01.13 CONNMO TREE INTERNET APN VERIFICATION AND OPERATION VZ\_TC LTEFIELDQA\_8545

Requirement Name	Requirement Plan Id	Created By	Created Date
Connectivity Management	LTEOTADM	Admin User	11-07-0013 15:01:19

#### 01.14 CONNMO TREE APP APN VERIFICATION AND OPERATION VZ\_TC LTEFIELDQA\_8546

Requirement Name	Requirement Plan Id	Created By	Created Date
Connectivity Management	LTEOTADM	Admin User	11-07-0013 15:01:19

#### 01.15 CONNMO TREE SMS OVER IMS VERIFICATION AND OPERATION VZ\_TC LTEFIELDQA\_8547

Requirement Name	Requirement Plan Id	Created By	Created Date
Connectivity Management	LTEOTADM	Admin User	11-07-0013 15:01:19



--	--	--	--

#### 01.16 APN NAMES CASE INSENSITIVE TEST VZ\_TC\_LTEFIELDQA\_8548

Requirement Name	Requirement Plan Id	Created By	Created Date
ConnMO Replace Command - Values not case sensitive	LTEOTADM	Admin User	11-07-0013 15:01:20
Connectivity Management	LTEOTADM	Admin User	11-07-0013 15:01:19

#### 01.17 TLS Protocol for DM sessions VZ\_TC\_LTEFIELDQA\_8842

Requirement Name	Requirement Plan Id	Created By	Created Date
Authentication Key	LTEOTADM	Admin User	11-07-0013 15:00:50
Commands	LTEOTADM	Admin User	11-07-0013 15:00:54
Confidentiality (Data Encryption)	LTEOTADM	Admin User	11-07-0013 15:01:49
DMAcc Subtree	LTEOTADM	Admin User	11-07-0013 15:00:58
DevDetail Subtree	LTEOTADM	Admin User	11-07-0013 15:01:01
DevInfo Subtree	LTEOTADM	Admin User	11-07-0013 15:00:59
Failed Authentication Attempt Handling	LTEOTADM	Admin User	11-07-0013 15:00:48
Integrity	LTEOTADM	Admin User	11-07-0013 15:00:51
Mutual Authentication	LTEOTADM	Admin	11-07-0013

		User	15:01:56
OTA Device Management Tree Support	LTEOTADM	Admin User	11-07-0013 15:00:53
Package 0 Authentication (Notification Initiation Session Message)	LTEOTADM	Admin User	11-07-0013 15:01:52
Root Certificate requirements	LTEOTADM	Admin User	05-30-0014 13:31:35
Verizon Wireless Defined Base DM Tree	LTEOTADM	Admin User	11-07-0013 15:00:56

#### 1.24 Verify the DevInfo nodes VZ\_TC\_LTEFIELDQA\_7374180

Requirement Name	Requirement Plan Id	Created By	Created Date
DevInfo Subtree	LTEOTADM	Vipul Patel	11-07-0013 15:00:59

#### 1.27 Root Certificate Verification VZ\_TC\_LTEFIELDQA\_8408737

Requirement Name	Requirement Plan Id	Created By	Created Date
Confidentiality (Data Encryption)	LTEOTADM	James Paxton	11-07-0013 15:01:49
Root Certificate requirements	LTEOTADM	James Paxton	05-30-0014 13:31:35



--	--	--	--