@ **FILE NAME:** **M_CTC_ID_021.txt**

@ **TEST SCOPE:** **M PLANE O-RAN CONFORMANCE**

@ **Software Release for MCB1:** **v1.0.7**

Test Description : This scenario is MANDATORY for an O-RU supporting the Hybrid M-plane architecture model.

This test validates that the O-RU correctly implements NETCONF Access Control user privileges.

The scenario corresponds to the following chapters in [3]:

3.4 NETCONF Access Control

==
********** Initial Get ***********
==
> connect --ssh --host 192.168.3.38 --port 830 --login operator
   Interactive SSH Authentication
   Type your password:
   Password:

==
> **get --filter-xpath /o-ran-usermgmt:users/user**
==

```xml
<?xml version="1.0" ?>
<data xmlns="urn:ietf:params:xml:ns:netconf:base:1.0" xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">
 <users xmlns="urn:o-ran:user-mgmt:1.0">
  <user>
   <name>oranuser</name>
   <account-type>PASSWORD</account-type>
   <enabled>true</enabled>
  </user>
  <user>
   <name>operator</name>
   <account-type>PASSWORD</account-type>
   <enabled>true</enabled>
  </user>
  <user>
   <name>observer</name>
   <account-type>PASSWORD</account-type>
   <enabled>true</enabled>
  </user>
  <user>
   <name>installer</name>
   <account-type>PASSWORD</account-type>
   <enabled>true</enabled>
  </user>
  <user>
   <name>user1</name>
   <account-type>PASSWORD</account-type>
   <enabled>true</enabled>
  </user>
  <user>
   <name>User2</name>
   <account-type>PASSWORD</account-type>
   <enabled>true</enabled>
  </user>
  <user>
   <name>User3</name>
   <account-type>PASSWORD</account-type>
   <enabled>true</enabled>
```

```xml
</user>
<user>
 <name>user2</name>
 <account-type>PASSWORD</account-type>
 <enabled>true</enabled>
</user>
<user>
 <name>user3</name>
 <account-type>PASSWORD</account-type>
 <enabled>true</enabled>
</user>
<user>
 <name>user4</name>
 <account-type>PASSWORD</account-type>
 <enabled>true</enabled>
</user>
<user>
 <name>operator9272416</name>
 <account-type>PASSWORD</account-type>
 <enabled>true</enabled>
</user>
<user>
 <name>operator08457170344525021180394</name>
 <account-type>PASSWORD</account-type>
 <enabled>true</enabled>
</user>
<user>
 <name>operator1767096287497333</name>
 <account-type>PASSWORD</account-type>
 <enabled>true</enabled>
</user>
<user>
 <name>operator450724443082658</name>
 <account-type>PASSWORD</account-type>
 <enabled>true</enabled>
</user>
<user>
 <name>operator0217</name>
 <account-type>PASSWORD</account-type>
 <enabled>true</enabled>
</user>
<user>
 <name>operator7460405868</name>
 <account-type>PASSWORD</account-type>
 <enabled>true</enabled>
</user>
<user>
 <name>operator42833240511400619</name>
 <account-type>PASSWORD</account-type>
```

```
  <enabled>true</enabled>
 </user>
 <user>
  <name>operator965</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
 </user>
 <user>
  <name>operator3249335383741066206078</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
 </user>
 <user>
  <name>operator722935085376687940113</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
 </user>
 </users>
</data>
```

==

********** Connect to the NETCONF Server **********

==

> connect --ssh --host 192.168.3.38 --port 830 --login observer

    ssh-rsa key fingerprint is c0:7c:63:5d:4b:85:e7:27:e0:7e:f0:44:38:4e:ab:83

    Interactive SSH Authentication done.

> status

Current NETCONF session:

ID   : 8

Host   : 192.168.3.38

Port   : 830

Transport   : SSH

Capabilities:

 urn:ietf:params:netconf:base:1.0 urn:ietf:params:netconf:base:1.1 urn:ietf:params:netconf:capability:writable-running:1.0

urn:ietf:params:netconf:capability:candidate:1.0 urn:ietf:params:netconf:capability:rollback-on-error:1.0

urn:ietf:params:netconf:capability:validate:1.1 urn:ietf:params:netconf:capability:startup:1.0 urn:ietf:params:netconf:capability:xpath:1.0

urn:ietf:params:netconf:capability:with-defaults:1.0?basic-mode=explicit&also-supported=report-all,report-all-tagged,trim,explicit

urn:ietf:params:netconf:capability:notification:1.0 urn:ietf:params:netconf:capability:interleave:1.0

urn:ietf:params:xml:ns:yang:ietf-yang-metadata?module=ietf-yang-metadata&revision=2016-08-05

urn:ietf:params:xml:ns:yang:1?module=yang&revision=2017-02-20

urn:ietf:params:xml:ns:yang:ietf-inet-types?module=ietf-inet-types&revision=2013-07-15

urn:ietf:params:xml:ns:yang:ietf-yang-types?module=ietf-yang-types&revision=2013-07-15

urn:ietf:params:netconf:capability:yang-library:1.1?revision=2019-01-04&content-id=63

urn:sysrepo:plugind?module=sysrepo-plugind&revision=2020-12-10

urn:ietf:params:xml:ns:yang:ietf-netconf-acm?module=ietf-netconf-acm&revision=2018-02-14

urn:ietf:params:xml:ns:netconf:base:1.0?module=ietf-netconf&revision=2013-09-29&features=writable-running,candidate,rollback-on-error,valid

ate,startup,url,xpath urn:ietf:params:xml:ns:yang:ietf-netconf-with-defaults?module=ietf-netconf-with-defaults&revision=2011-06-01

urn:ietf:params:xml:ns:yang:ietf-netconf-notifications?module=ietf-netconf-notifications&revision=2012-02-06

urn:ietf:params:xml:ns:yang:ietf-netconf-monitoring?module=ietf-netconf-monitoring&revision=2010-10-04

urn:ietf:params:xml:ns:netconf:notification:1.0?module=notifications&revision=2008-07-14

urn:ietf:params:xml:ns:netmod:notification?module=nc-notifications&revision=2008-07-14

urn:ietf:params:xml:ns:yang:ietf-x509-cert-to-name?module=ietf-x509-cert-to-name&revision=2014-12-10

urn:ietf:params:xml:ns:yang:iana-crypt-hash?module=iana-crypt-hash&revision=2014-08-06 urn:notification_history?module=notification_history

urn:ietf:params:xml:ns:yang:iana-if-type?module=iana-if-type&revision=2017-01-19

==

> **subscribe --filter-xpath /ietf-netconf-notifications:***

==

Ok

==

Step 2 TER NETCONF client attempts to get the configuration of the o-ran-processing.yang model.

==

==

> edit-config --target running --config --defop replace

==

==

******* Replace with below xml ********

==

```
<processing-elements xmlns="urn:o-ran:processing-element:1.0">
<transport-session-type>ETH-INTERFACE</transport-session-type>
<ru-elements>
  <name>element0</name>
  <transport-flow>
    <interface-name>eth1.100</interface-name>
    <eth-flow>
      <ru-mac-address>98:ae:71:00:8a:c2</ru-mac-address>
      <vlan-id>100</vlan-id>
      <o-du-mac-address>64:9d:99:ff:f5:13</o-du-mac-address>
    </eth-flow>
  </transport-flow>
</ru-elements>
</processing-elements>
```


==

\#\#\#\#\#\#\#\#\# RPC Reply \#\#\#\#\#\#\#\#\#

==

```
================================================================================
  ############ SYSTEM LOGS #############
================================================================================
```

Nov 4 00:18:38 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:18:40 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:18:41 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:18:42 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:18:42 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:18:42 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:18:42 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:18:42 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:18:42 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:18:42 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:18:42 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:18:43 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:18:44 mcb1 user.notice SYNCMNGR[1307]: Received message from S-Plane

Nov 4 00:18:44 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:18:46 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:18:47 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:18:49 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/fw_manager

Nov 4 00:18:49 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/nw_manager

Nov 4 00:18:49 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/operations_manager

Nov 4 00:18:49 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/pm_manager

Nov 4 00:18:49 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/um_manager

Nov 4 00:18:49 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/sys_monitor

Nov 4 00:18:49 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/fault_manager

Nov 4 00:18:49 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/file_manager

Nov 4 00:18:49 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/supervision

Nov 4 00:18:49 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/sync_manager

Nov 4 00:18:49 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/ald_controller

Nov 4 00:18:49 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/log_manager

Nov 4 00:18:49 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/radio_manager

Nov 4 00:18:49 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/cli_manager

Nov 4 00:18:49 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:18:50 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:18:52 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:18:52 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:18:52 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:18:52 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:18:52 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:18:52 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:18:52 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:18:52 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:18:52 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:18:53 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:18:54 mcb1 user.notice SYNCMNGR[1307]: Received message from S-Plane

Nov 4 00:18:55 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:18:56 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:18:58 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:18:59 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:19:01 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:19:02 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:02 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:02 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:02 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:02 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:02 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:02 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:02 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:02 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:19:04 mcb1 user.notice SYNCMNGR[1307]: Received message from S-Plane

Nov 4 00:19:04 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:19:05 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:19:07 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:19:08 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:19:10 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:19:11 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:19:12 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:12 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:12 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:12 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:12 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:12 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:12 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:12 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:14 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:19:14 mcb1 user.notice SYNCMNGR[1307]: Received message from S-Plane

Nov 4 00:19:15 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:19:17 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:19:18 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:19:20 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:19:21 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:19:22 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:22 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:22 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:22 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:22 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:22 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:22 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:22 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:23 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:19:24 mcb1 user.notice SYNCMNGR[1307]: Received message from S-Plane

Nov 4 00:19:24 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:19:26 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:19:27 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:19:29 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:19:30 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:19:32 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:32 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:32 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:32 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:32 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:32 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:32 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:32 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:32 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/fw_manager

Nov 4 00:19:32 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/nw_manager

Nov 4 00:19:32 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/operations_manager

Nov 4 00:19:32 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/pm_manager

Nov 4 00:19:32 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/um_manager

Nov 4 00:19:32 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/sys_monitor

Nov 4 00:19:32 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/fault_manager

Nov 4 00:19:32 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/file_manager

Nov 4 00:19:32 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/supervision

Nov 4 00:19:32 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/sync_manager

Nov 4 00:19:32 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/ald_controller

Nov 4 00:19:32 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/log_manager

Nov 4 00:19:32 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/radio_manager

Nov 4 00:19:32 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/cli_manager

Nov 4 00:19:32 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:19:33 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:19:34 mcb1 user.notice SYNCMNGR[1307]: Received message from S-Plane

Nov 4 00:19:35 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:19:36 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:19:38 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:19:39 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Accepted a connection on :::830.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Session 290 (user "root", CID 1) created.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Received an SSH message "request-service" of subtype "ssh-userauth".

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Received an SSH message "request-auth" of subtype "password".

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: User "observer" authenticated.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Received an SSH message "request-channel-open" of subtype "session".

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Received an SSH message "request-channel" of subtype "subsystem".

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Session 291 (user "root", CID 1) created.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: There are no subscribers for "ietf-netconf-notifications" notifications.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Generated new event (netconf-session-start).

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Published event "rpc" "/ietf-netconf:get" with ID 18 priority 0 for 1 subscribers.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Processing "/ietf-netconf:get" "rpc" event with ID 18 priority 0 (remaining 1 subscribers).

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Successful processing of "rpc" event with ID 18 priority 0 (remaining 0 subscribers).

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Event "rpc" with ID 18 priority 0 succeeded.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Session 8: thread 4 event new RPC.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Published event "rpc" "/ietf-netconf:get" with ID 19 priority 0 for 1 subscribers.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Processing "/ietf-netconf:get" "rpc" event with ID 19 priority 0 (remaining 1 subscribers).

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 8.

Nov 4 00:19:40 mcb1 user.notice fw_manager[1061]: RPC #8 recieved. xpath -> /o-ran-software-management:software-inventory

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Event "operational" with ID 8 succeeded.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "VVDN=O-RU", but it is not required.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "VVDN O-RU", but it is not required.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL=O-RU", but it is not required.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Successful processing of "rpc" event with ID 19 priority 0 (remaining 0 subscribers).

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Event "rpc" with ID 19 priority 0 succeeded.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "VVDN=O-RU", but it is not required.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "VVDN O-RU", but it is not required.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL=O-RU", but it is not required.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Session 8: thread 4 event new RPC.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Published event "rpc" "/ietf-netconf:get-config" with ID 13 priority 0 for 1 subscribers.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Processing "/ietf-netconf:get-config" "rpc" event with ID 13 priority 0 (remaining 1 subscribers).

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Successful processing of "rpc" event with ID 13 priority 0 (remaining 0 subscribers).

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Event "rpc" with ID 13 priority 0 succeeded.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Session 8: thread 1 event new RPC.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Accepted a connection on :::830.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Session 296 (user "root", CID 1) created.

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Received an SSH message "request-service" of subtype "ssh-userauth".

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: Received an SSH message "request-auth" of subtype "password".

Nov 4 00:19:40 mcb1 daemon.info netopeer2-server[986]: User "operator" authenticated.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Received an SSH message "request-channel-open" of subtype "session".

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Received an SSH message "request-channel" of subtype "subsystem".

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Session 297 (user "root", CID 1) created.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: There are no subscribers for "ietf-netconf-notifications" notifications.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Generated new event (netconf-session-start).

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Published event "rpc" "/ietf-netconf:get" with ID 20 priority 0 for 1 subscribers.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Processing "/ietf-netconf:get" "rpc" event with ID 20 priority 0 (remaining 1 subscribers).

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Successful processing of "rpc" event with ID 20 priority 0 (remaining 0 subscribers).

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Event "rpc" with ID 20 priority 0 succeeded.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Session 9: thread 1 event new RPC.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Published event "rpc" "/ietf-netconf:get-config" with ID 14 priority 0 for 1 subscribers.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Processing "/ietf-netconf:get-config" "rpc" event with ID 14 priority 0 (remaining 1 subscribers).

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Successful processing of "rpc" event with ID 14 priority 0 (remaining 0 subscribers).

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Event "rpc" with ID 14 priority 0 succeeded.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Session 9: thread 1 event new RPC.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Session 9: thread 1 event new RPC.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Session 9: thread 1 event session terminated.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: There are no subscribers for "ietf-netconf-notifications" notifications.

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: Generated new event (netconf-session-end).

Nov 4 00:19:41 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:19:42 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:42 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:42 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:42 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:42 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:42 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:42 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:42 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:42 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:19:44 mcb1 user.notice SYNCMNGR[1307]: Received message from S-Plane

Nov 4 00:19:44 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:19:45 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:19:46 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:46 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:46 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:46 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:46 mcb1 daemon.info netopeer2-server[986]: Published event "rpc" "/notifications:create-subscription" with ID 7 priority 1 for 1
subscribers.

Nov 4 00:19:46 mcb1 daemon.info netopeer2-server[986]: Processing "ietf-netconf-monitoring" "operational" event with ID 8.

Nov 4 00:19:46 mcb1 daemon.info netopeer2-server[986]: Successful processing of "operational" event with ID 8.

Nov 4 00:19:47 mcb1 daemon.info netopeer2-server[986]: Event "rpc" with ID 7 priority 1 succeeded.

Nov 4 00:19:47 mcb1 daemon.info netopeer2-server[986]: Published event "rpc" "/notifications:create-subscription" with ID 7 priority 0 for 1
subscribers.

Nov 4 00:19:47 mcb1 daemon.info netopeer2-server[986]: Processing "/notifications:create-subscription" "rpc" event with ID 7 priority 0
(remaining 1 subscribers).

Nov 4 00:19:47 mcb1 daemon.info netopeer2-server[986]: Successful processing of "rpc" event with ID 7 priority 0 (remaining 0 subscribers).

Nov 4 00:19:47 mcb1 daemon.info netopeer2-server[986]: Event "rpc" with ID 7 priority 0 succeeded.

Nov 4 00:19:47 mcb1 daemon.info netopeer2-server[986]: Session 8: thread 3 event new RPC.

Nov 4 00:19:47 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:19:48 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:48 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:48 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Nov 4 00:19:48 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Nov 4 00:19:48 mcb1 daemon.info netopeer2-server[986]: Published event "rpc" "/ietf-netconf:edit-config" with ID 13 priority 0 for 1 subscribers.

Nov 4 00:19:48 mcb1 daemon.info netopeer2-server[986]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 13 priority 0 (remaining 1
subscribers).

Nov 4 00:19:48 mcb1 daemon.info netopeer2-server[986]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be
performed.

Nov 4 00:19:48 mcb1 daemon.info netopeer2-server[986]: No datastore changes to apply.

Nov 4 00:19:48 mcb1 daemon.info netopeer2-server[986]: Successful processing of "rpc" event with ID 13 priority 0 (remaining 0 subscribers).

Nov 4 00:19:48 mcb1 daemon.info netopeer2-server[986]: Event "rpc" with ID 13 priority 0 succeeded.

Nov 4 00:19:48 mcb1 daemon.info netopeer2-server[986]: Session 8: thread 1 event new RPC.

Nov 4 00:19:48 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:19:50 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (No route to host).

Nov 4 00:19:51 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 00:19:52 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:52 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:52 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:52 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:52 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:52 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:52 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:52 mcb1 user.warn pm_manager[1373]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:19:53 mcb1 daemon.info netopeer2-server[986]: Session 8: thread 1 event new RPC.

Nov 4 00:19:53 mcb1 daemon.info netopeer2-server[986]: Session 8: thread 1 event session terminated.

Nov 4 00:19:53 mcb1 daemon.info netopeer2-server[986]: There are no subscribers for "ietf-netconf-notifications" notifications.

Nov 4 00:19:53 mcb1 daemon.info netopeer2-server[986]: Generated new event (netconf-session-end).

Nov 4 00:19:53 mcb1 authpriv.debug sshd[4074]: pam_unix(sshd:account): account observer has password changed in future

Nov 4 00:19:53 mcb1 auth.info sshd[4074]: Accepted password for observer from 192.168.3.15 port 43376 ssh2

Nov 4 00:19:53 mcb1 authpriv.info sshd[4074]: pam_unix(sshd:session): session opened for user observer by (uid=0)

Expected Result : The NETCONF server replies rejecting the protocol operation with an "access-denied" error.

```
==========================================================================
    ****************** Actual Result ******************
==========================================================================


==========================================================================
****************** FAIL_REASON ******************
==========================================================================
o-ran-processing configuration is complete...
==========================================================================
```

Access Control FM-PM (negative case)   =   FAIL

```
==========================================================================
```