



**@ FILE NAME: M\_CTC\_ID\_021.txt**

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

**@ Software Release for LPRU: v1.1.0**

**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 192.168.214.37 --port 830 --login operator
```

```
Interactive SSH Authentication
```

```
Type your password:
```

```
Password:
```

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

```
<?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>operator10804206543</name>
      <account-type>PASSWORD</account-type>
      <enabled>true</enabled>
    </user>
    <user>
      <name>operator27689832</name>
      <account-type>PASSWORD</account-type>
      <enabled>true</enabled>
    </user>
    <user>
      <name>operator569496134733421925922</name>
      <account-type>PASSWORD</account-type>
      <enabled>true</enabled>
    </user>
  </users>
</data>
```

</user>  
</users>  
</data>

```
=====
***** Connect to the NETCONF Server *****
=====
```

```
=====
***** Connect to the NETCONF Server *****
=====
```

```
> connect --ssh --host 192.168.214.37 --port 830 --login observer
```

```
Interactive SSH Authentication
```

```
Type your password:
```

```
Password:
```

```
> status
```

```
Current NETCONF session:
```

```
ID      : 6
```

```
Host     : 192.168.214.37
```

```
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=61
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
=====
```

```
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>eth0.100</interface-name>
    <eth-flow>
      <ru-mac-address>78:7d:f3:01:13:bb</ru-mac-address>
      <vlan-id>100</vlan-id>
      <o-du-mac-address>64:9d:99:b1:7e:62</o-du-mac-address>
    </eth-flow>
  </transport-flow>
</ru-elements>
</processing-elements>
```

=====

**Step 3 NETCONF server replies rejecting the protocol operation with an 'access-denied' error.**

=====

ERROR

```
type      : protocol
tag       : access-denied
severity  : error
path      : /o-ran-processing-element:processing-elements/ru-elements
message   : Access to the data model "o-ran-processing-element" is denied because "observer" NACM authorization failed.
```

## =====

**##### SYSTEM LOGS #####**

=====

Nov 4 00:03:01 vvdn\_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.214.234:4334.

Nov 4 00:03:01 vvdn\_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:03:02 vvdn\_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.214.234:4334.

Nov 4 00:03:02 vvdn\_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.214.234:4334.

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Successfully connected to 192.168.214.234:4334 over IPv4.

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Session 144 (user "root", CID 1) created.

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-service" of subtype "ssh-userauth".

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-auth" of subtype "password".

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: User "observer" authenticated.

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-channel-open" of subtype "session".

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-channel" of subtype "subsystem".

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Call Home client "default-client" session 6 established.

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Session 145 (user "root", CID 1) created.

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: There are no subscribers for "ietf-netconf-notifications" notifications.

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Generated new event (netconf-session-start).

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Published event "rpc" "/ietf-netconf:get" with ID 11 priority 0 for 1 subscribers.

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Processing "/ietf-netconf:get" "rpc" event with ID 11 priority 0 (remaining 1 subscribers).

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Successful processing of "rpc" event with ID 11 priority 0 (remaining 0 subscribers).

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 11 priority 0 succeeded.

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Session 6: thread 1 event new RPC.

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Published event "rpc" "/ietf-netconf:get" with ID 12 priority 0 for 1 subscribers.

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Processing "/ietf-netconf:get" "rpc" event with ID 12 priority 0 (remaining 1 subscribers).

Nov 4 00:03:03 vvdn\_lpru daemon.info netopeer2-server[858]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 5.

Nov 4 00:03:03 vvdn\_lpru user.notice fw\_manager[929]: RPC #5 recieved. xpath -> /o-ran-software-management:software-inventory

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Event "operational" with ID 5 succeeded.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: 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 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: 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 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: 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 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Successful processing of "rpc" event with ID 12 priority 0 (remaining 0 subscribers).

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 12 priority 0 succeeded.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: 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 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: 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 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: 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 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Session 6: thread 4 event new RPC.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Published event "rpc" "/ietf-netconf:get-config" with ID 9 priority 0 for 1 subscribers.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Processing "/ietf-netconf:get-config" "rpc" event with ID 9 priority 0 (remaining 1 subscribers).

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Successful processing of "rpc" event with ID 9 priority 0 (remaining 0 subscribers).

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 9 priority 0 succeeded.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref  
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port0", but it is not required.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref  
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port0", but it is not required.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Session 6: thread 0 event new RPC.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Accepted a connection on :::830.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Session 150 (user "root", CID 1) created.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-service" of subtype "ssh-userauth".

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-auth" of subtype "password".

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: User "operator" authenticated.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-channel-open" of subtype "session".

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-channel" of subtype "subsystem".

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Session 151 (user "root", CID 1) created.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: There are no subscribers for "ietf-netconf-notifications" notifications.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Generated new event (netconf-session-start).

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Published event "rpc" "/ietf-netconf:get" with ID 13 priority 0 for 1 subscribers.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Processing "/ietf-netconf:get" "rpc" event with ID 13 priority 0 (remaining 1 subscribers).

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Successful processing of "rpc" event with ID 13 priority 0 (remaining 0 subscribers).

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 13 priority 0 succeeded.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Session 7: thread 4 event new RPC.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Published event "rpc" "/ietf-netconf:get-config" with ID 10 priority 0 for 1 subscribers.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Processing "/ietf-netconf:get-config" "rpc" event with ID 10 priority 0 (remaining 1 subscribers).

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Successful processing of "rpc" event with ID 10 priority 0 (remaining 0 subscribers).

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 10 priority 0 succeeded.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref  
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port0", but it is not required.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref  
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port0", but it is not required.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Session 7: thread 0 event new RPC.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Session 7: thread 4 event new RPC.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Session 7: thread 4 event session terminated.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: There are no subscribers for "ietf-netconf-notifications" notifications.

Nov 4 00:03:04 vvdn\_lpru daemon.info netopeer2-server[858]: Generated new event (netconf-session-end).

Nov 4 00:03:05 vvdn\_lpru user.notice SYNCMNGR[1175]: Received message from S-Plane

Nov 4 00:03:10 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:10 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:10 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:10 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:10 vvdn\_lpru daemon.info netopeer2-server[858]: Published event "rpc" "/notifications:create-subscription" with ID 5 priority 0 for 1 subscribers.

Nov 4 00:03:10 vvdn\_lpru daemon.info netopeer2-server[858]: Processing "/notifications:create-subscription" "rpc" event with ID 5 priority 0 (remaining 1 subscribers).

Nov 4 00:03:10 vvdn\_lpru daemon.info netopeer2-server[858]: Successful processing of "rpc" event with ID 5 priority 0 (remaining 0 subscribers).

Nov 4 00:03:10 vvdn\_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 5 priority 0 succeeded.

Nov 4 00:03:10 vvdn\_lpru daemon.info netopeer2-server[858]: Session 6: thread 0 event new RPC.

Nov 4 00:03:10 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...



Nov 4 00:03:10 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:10 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:03:10 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:03:10 vvdn\_lpru daemon.info netopeer2-server[858]: Published event "rpc" "/ietf-netconf:edit-config" with ID 4 priority 0 for 1 subscribers.

Nov 4 00:03:10 vvdn\_lpru daemon.info netopeer2-server[858]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 4 priority 0 (remaining 1 subscribers).

Nov 4 00:03:10 vvdn\_lpru daemon.info netopeer2-server[858]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be performed.

Nov 4 00:03:10 vvdn\_lpru daemon.err netopeer2-server[858]: Access to the data model "o-ran-processing-element" is denied because "observer" NACM authorization failed.

Nov 4 00:03:10 vvdn\_lpru daemon.info netopeer2-server[858]: Failed processing of "rpc" event with ID 4 priority 0 (remaining 1 subscribers).

Nov 4 00:03:10 vvdn\_lpru daemon.err netopeer2-server[858]: Access to the data model "o-ran-processing-element" is denied because "observer" NACM authorization failed.

Nov 4 00:03:10 vvdn\_lpru daemon.warn netopeer2-server[858]: Event "rpc" with ID 4 priority 0 failed (User callback failed).

Nov 4 00:03:10 vvdn\_lpru daemon.err netopeer2-server[858]: Failed to send an RPC (User callback failed).

Nov 4 00:03:10 vvdn\_lpru daemon.info netopeer2-server[858]: Session 6: thread 0 event new RPC.

Nov 4 00:03:10 vvdn\_lpru daemon.info netopeer2-server[858]: Session 6: thread 0 event reply error.

Nov 4 00:03:15 vvdn\_lpru daemon.info netopeer2-server[858]: Session 6: thread 2 event new RPC.

Nov 4 00:03:15 vvdn\_lpru daemon.info netopeer2-server[858]: Session 6: thread 2 event session terminated.

Nov 4 00:03:15 vvdn\_lpru daemon.info netopeer2-server[858]: There are no subscribers for "ietf-netconf-notifications" notifications.

Nov 4 00:03:15 vvdn\_lpru daemon.info netopeer2-server[858]: Generated new event (netconf-session-end).

Nov 4 00:03:15 vvdn\_lpru daemon.info netopeer2-server[858]: Call Home client "default-client" session terminated.

Nov 4 00:03:15 vvdn\_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.214.234:4334.

Nov 4 00:03:15 vvdn\_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:03:15 vvdn\_lpru authpriv.debug sshd[4585]: pam\_unix(sshd:account): account observer has password changed in future

Nov 4 00:03:15 vvdn\_lpru authpriv.info sshd[4585]: Accepted password for observer from 192.168.214.234 port 35704 ssh2

Nov 4 00:03:15 vvdn\_lpru authpriv.info sshd[4585]: 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.**

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\*\*\*\*\* Actual Result \*\*\*\*\*

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<b>Access Control FM-PM (negative case)</b>	<b>=</b>	<b>SUCCESS</b>
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