



@ FILE NAME: M_CTC_ID_010.txt

@ TEST SCOPE: M PLANE O-RAN CONFORMANCE

@ Software Release for MCB1: v1.0.1

Test Description : This scenario validates that the O-RU NETCONF Server properly executes a general get command.

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

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The authenticity of the host '::ffff:192.168.49.43' cannot be established.

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 : 2

Host : 192.168.49.43

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,validate,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 1 The TER NETCONF Client triggers <rpc><get> towards the O-RU NETCONF Server.

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> get

=====

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Step 2 The O-RU NETCONF Server responds with <rpc-reply><data> where <data> contains all information elements that the O-RU NETCONF Server is able to expose

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```
<?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">
  <keystore xmlns="urn:ietf:params:xml:ns:yang:ietf-keystore">
    <asymmetric-keys>
      <asymmetric-key>
        <name>genkey</name>
        <algorithm>rsa2048</algorithm>
        <public-key>MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAzYRjPYvux03VA/ZokexW2yJ/9ZhjbUAXiIUwcHf5YZyLs1Vsz
vahxASW0X4Utd7UnmVttB2t8/zWqr3QM5Eqae4+IVk09klrZ2O9zRpW6QQX3q3gLiRhUAzN/khkT6Bn4BdzvPqecdFfMBthMf6gxSUUdXbM
wZ2ZfIjjUuC4StmvNOWYsbb8VDbHH56THkatCGaBQkW71X5piHInYZg9EpUQiAtNzwYztjmyEA3J7niapYcHfthvL7KNL7rWBv+Z6HdsW
Y/jLzpBB89DKuaLatGo3MmTonXAv3CebWvmPt/7uxIU/a431yqlcpnzBFhEaIvvGol8EuTg9x0h70H2wwIDAQAB</public-key>
        <private-key>MIIEvgIBADANBgkqhkiG9w0BAQEFAASCBAQgwwggSkAgEAAoIBAQDNhGM9i+7HTdUD9miR7FbbIn/1mGNtQBeIhTBwd/
lhnIuzVWzO9qHEBjBrfhS0PtSeZW20Ha3z/NaqvdAzkSpTj6VWTT2SWtnY73NGlbpBBfereAuJGFQDM3+SGRPoGfgF3O8+p5x0V8wG2Ex/
qDFJRR1dszBnZl8iONS4LhK2a805ZixtvxUNscfnpMeRq0IZoFCRbvVfmmIcidhmD0SIRCIC03PBjO2ObIQDcnueJqlhwd+2G8vso0vutYG/5nod
2xZj+MvOkEHZ0OS5otq0ajcyZOidcC/cJxta+Y+3/u7EhT9rjFXKqVymfMEWERoi+8agjwSSOD3HSHvQfbDagMBAAECggEAB4XkGBmqOP
N5a7a2ZzkOiOD/bB8S7Kne8qld4h8wXz4hC0JWZ4fl8xPNQX3fg2avN2boW9AseC8fu2J1Ilo0v6iPddRH/7aBqPZC8v+CHOU6BrXTPkZ8tM1
Kyy9N0j45HQXUYCfEi2G3XzzFuBqRC0yTYZ2wlOhjBR5FcySEnNKryu6NljdmQsomLQJ/za1yHBEAx7YVi9GrJzBAFENLGqIH7M7wMn4
MLCr5OodoVhdd45BiF5VswP+y67EWhZcF5vi9S/8AxS+GSeGv/hoLB+1KCyxK9vXbshVyOW2zEVUghJ1T4RXf7uW7unxNnzCbuePNVTvA
1uV38A8FMmliQKBgQDUvozJdu/SdJAnnR65x3aTL/OpChtmYY6qi2+bLn8MLA+hbzKbJewhqpYxb1CGFSfQssBCRUaX6wVfB3C0e2Sved2C
BXdYMZzRbeEdgilhal2BP2/tW5gazz2d27hCsiU7pyZatnWI6FAV3IOSBU97cAmhfBfZaQJtmguuZaWvtQKBgQDcXwo6rgSSWotzPUhkJWix
ChBoqkE6WFbzZTiVsHp1kplugxe3P0rTjI98MWKcowAHUNGJ7v4IPJlaKB9xYXwp7bJKrkXftluuyQepsau/oljp122GNyJyHeV2KuK7Im55tla3
05Vp4gn57G4U+NkX+QsYR10eNChiHBHKE+/nlwKBgBkqRLTHsKfCWZ+TVDXI7Jq/JzPeON0I01/uqqj00bd6vXsKuY7ZARdbX9F+JkK74C
KDdPiHTNWelEZcBmk/yHEmq06VPOsy75CzwFLX8LkM+SYyhZ3DVdkdlyUYj+eX14zeJZDSQrlXo3lqcQPnQ2WdfcBj0C+zs2CUkD6lWD0
xAoGBANVR6sUCzsodfAABwqGuzm5KH7gxlxKzkPfrc+ry+pf1WixMGhj426YM2piN9bdK0ixCv5OWFc5V6tyrGkTW6SptPbmtGVaFYBrB3
vkVU/wdW5SBRTQ3CtEMv6KzwOcfXYvURf2Mg4YLMtyk8aq7eOsL2QGwm20xcCYIpe/HfOPhAoGBALvMEDLK0se5Qxesj1YgE+b6U3
M+Wwh9JefU1j/sEVJ3h7fCY7iWQA1GIrBUEITltiKkZSSgSF+arASMeBdaR2+R+3ImS5MDWmvnZjAiGSXhIWjTEPe/WsoejtnckjjX0yhPPI
NBKsT2n5wHAcdf6ZlvdcpGkzM4IdQkxZfjbQ</private-key>
      </asymmetric-key>
    </asymmetric-keys>
  </keystore>
  <hardware xmlns="urn:ietf:params:xml:ns:yang:ietf-hardware">
    <component>
      <name>ru-module</name>
      <class xmlns:o-ran-hw="urn:o-ran:hardware:1.0">o-ran-hw:O-RAN-RADIO</class>
      <state>
        <oper-state>enabled</oper-state>
      </state>
    </component>
  </hardware>
</data>
```

```
<usage-state>idle</usage-state>
<availability-state xmlns="urn:o-ran:hardware:1.0">NORMAL</availability-state>
</state>
<o-ran-name xmlns="urn:o-ran:hardware:1.0">ru-module</o-ran-name>
<description>VVDN-RU</description>
<hardware-rev>A1-1011</hardware-rev>
<software-rev>02-v1.0.1</software-rev>
<serial-num>1012900122022</serial-num>
<mfg-name>VVDN-LPRU</mfg-name>
<model-name>RU_INDOOR_LPRU</model-name>
<uuid>f81d4fae-7dec-11d0-a765-00a0c91e6bf6</uuid>
<label-content xmlns="urn:o-ran:hardware:1.0">
  <model-name>true</model-name>
  <serial-number>true</serial-number>
</label-content>
<product-code xmlns="urn:o-ran:hardware:1.0">O-RAN RU PROD v1.0.4</product-code>
<contains-child>ru-port0</contains-child>
<contains-child>ru-port1</contains-child>
</component>
<component>
  <name>ru-port0</name>
  <class xmlns:ianahw="urn:ietf:params:xml:ns:yang:iana-hardware">ianahw:port</class>
  <parent>ru-module</parent>
  <parent-rel-pos>0</parent-rel-pos>
  <state>
    <oper-state>enabled</oper-state>
    <usage-state>idle</usage-state>
    <availability-state xmlns="urn:o-ran:hardware:1.0">NORMAL</availability-state>
  </state>
  <o-ran-name xmlns="urn:o-ran:hardware:1.0">ru-port0</o-ran-name>
  <description>VVDN_RU_PORT</description>
  <hardware-rev>A1-1011</hardware-rev>
  <is-fru>false</is-fru>
  <mfg-date>2020-05-27T09:00:00-05:30</mfg-date>
</component>
<component>
  <name>ru-port1</name>
  <class xmlns:ianahw="urn:ietf:params:xml:ns:yang:iana-hardware">ianahw:port</class>
  <parent>ru-module</parent>
  <parent-rel-pos>1</parent-rel-pos>
  <state>
    <oper-state>enabled</oper-state>
    <usage-state>idle</usage-state>
    <availability-state xmlns="urn:o-ran:hardware:1.0">NORMAL</availability-state>
  </state>
  <o-ran-name xmlns="urn:o-ran:hardware:1.0">ru-port1</o-ran-name>
  <description>VVDN_RU_PORT</description>
  <hardware-rev>A1-1011</hardware-rev>
  <is-fru>false</is-fru>
```

```
<mfg-date>2020-05-27T09:00:00-05:30</mfg-date>
</component>
<last-change>2103-10-30T08:52:17+08:50</last-change>
</hardware>
<users xmlns="urn:o-ran:user-mgmt:1.0">
  <user>
    <name>oranuser</name>
    <account-type>PASSWORD</account-type>
    <password>oranuser</password>
    <enabled>true</enabled>
  </user>
  <user>
    <name>operator</name>
    <account-type>PASSWORD</account-type>
    <password>admin1234895</password>
    <enabled>true</enabled>
  </user>
  <user>
    <name>observer</name>
    <account-type>PASSWORD</account-type>
    <password>admin123</password>
    <enabled>true</enabled>
  </user>
  <user>
    <name>installer</name>
    <account-type>PASSWORD</account-type>
    <password>wireless123</password>
    <enabled>true</enabled>
  </user>
  <user>
    <name>garuda</name>
    <account-type>PASSWORD</account-type>
    <password>garuda12345</password>
    <enabled>true</enabled>
  </user>
  <user>
    <name>operator11302326379</name>
    <account-type>PASSWORD</account-type>
    <password>Aemlsk9}{2xgQVF</password>
    <enabled>true</enabled>
  </user>
  <user>
    <name>operator44567591</name>
    <account-type>PASSWORD</account-type>
    <password>y07)BAFyAm0M7W1lc2mEA_D5[5YytpafL6xTTCXM%Q]~Z2Fv^</password>
    <enabled>true</enabled>
  </user>
  <user>
    <name>operator8075861281902</name>
```

```
<account-type>PASSWORD</account-type>
<password>GV2QSHVzl}B)vk(!tw2pZhuFkkn%L^E)wgk(Z{KfgXCpdkfEA+NGMY(B^+kDYB8R06v</password>
<enabled>true</enabled>
</user>
<user>
<name>operator17619020756748090</name>
<account-type>PASSWORD</account-type>
<password>nwk75gnD[44LqeBrwKFcBvaUNPKz6gARf_M.EHxwG.EGuk{-n_Os0avM}$XZ}LBYNb+)M!NcV0RunG}_-)9F2gu%nKKsd+X
kOgXvIYxh%QxBQsA7EYqB</password>
<enabled>true</enabled>
</user>
<user>
<name>operator86938204120707827368</name>
<account-type>PASSWORD</account-type>
<password>s8icesF.HI~%FN4_]!MKBMVqa]{RUQkL07x.+)-VmZfAh3nJxwS+y6I!</password>
<enabled>true</enabled>
</user>
<user>
<name>operator7596639986022389968</name>
<account-type>PASSWORD</account-type>
<password>v+Dq5KtKuj(^!x</password>
<enabled>true</enabled>
</user>
<user>
<name>operator0126795795152205</name>
<account-type>PASSWORD</account-type>
<password>RdP1GycV9r]R15N_k7Hnz5wF)vjY~dxBE!v^MxSq4Gke1nChSCW+1)1z%2}kOtLnjiWbjJEY7QUk%15H0g~QYlrR0bRkZMz1x
TyDy3ca6-r</password>
<enabled>true</enabled>
</user>
<user>
<name>operator119986</name>
<account-type>PASSWORD</account-type>
<password>1Xrl)+$ki)QolcMi)vVRig.u</password>
<enabled>true</enabled>
</user>
<user>
<name>stl</name>
<account-type>PASSWORD</account-type>
<password>stli12345</password>
<enabled>true</enabled>
</user>
</users>
<nacm xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-acm">
<enable-nacm>true</enable-nacm>
<read-default>deny</read-default>
<write-default>deny</write-default>
<exec-default>deny</exec-default>
<enable-external-groups>false</enable-external-groups>
```

```
<groups>
<group>
  <name>sudo</name>
  <user-name>operator</user-name>
</group>
<group>
  <name>fm-pm</name>
  <user-name>observer</user-name>
</group>
<group>
  <name>nms</name>
  <user-name>installer</user-name>
</group>
</groups>
<rule-list>
  <name>sudo-access</name>
  <group>sudo</group>
  <rule>
    <name>ietf-netconf-permission</name>
    <module-name>ietf-netconf</module-name>
    <access-operations>exec</access-operations>
    <action>permit</action>
  </rule>
  <rule>
    <name>o-ran-supervision-permission</name>
    <module-name>o-ran-supervision</module-name>
    <access-operations>exec</access-operations>
    <action>permit</action>
  </rule>
  <rule>
    <name>o-ran-hardware-permission</name>
    <module-name>o-ran-hardware</module-name>
    <access-operations>read exec</access-operations>
    <action>permit</action>
  </rule>
  <rule>
    <name>ietf-hardware-permission</name>
    <module-name>ietf-hardware</module-name>
    <access-operations>create read update delete exec</access-operations>
    <action>permit</action>
  </rule>
  <rule>
    <name>iana-hardware-permission</name>
    <module-name>iana-hardware</module-name>
    <access-operations>create read update delete exec</access-operations>
    <action>permit</action>
  </rule>
  <rule>
    <name>o-ran-usermgmt-permission1</name>
```

```
<module-name>o-ran-usermgmt</module-name>
<path xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user</path>
<access-operations>create update delete exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-usermgmt-permission2</name>
<module-name>o-ran-usermgmt</module-name>
<path xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user/o-ran-usermgmt:name</path>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-usermgmt-permission3</name>
<module-name>o-ran-usermgmt</module-name>
<path xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user/o-ran-usermgmt:account-type</path>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-usermgmt-permission4</name>
<module-name>o-ran-usermgmt</module-name>
<path xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user/o-ran-usermgmt:password</path>
<access-operations>create update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-usermgmt-permission5</name>
<module-name>o-ran-usermgmt</module-name>
<path xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user/o-ran-usermgmt:enabled</path>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-fm-permission</name>
<module-name>o-ran-fm</module-name>
<access-operations>read exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-sync-permission</name>
<module-name>o-ran-sync</module-name>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-delay-management-permission</name>
<module-name>o-ran-delay-management</module-name>
<access-operations>create read update delete</access-operations>
```



```
<action>permit</action>
</rule>
<rule>
  <name>o-ran-module-cap-permission</name>
  <module-name>o-ran-module-cap</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-udp-echo-permission</name>
  <module-name>o-ran-udp-echo</module-name>
  <access-operations>create read update delete</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-operations-permission</name>
  <module-name>o-ran-operations</module-name>
  <access-operations>read exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-uplane-conf</name>
  <module-name>o-ran-uplane-conf</module-name>
  <access-operations>create read update delete exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-lbm-permission</name>
  <module-name>o-ran-lbm</module-name>
  <access-operations>create read update delete exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-software-management-permission</name>
  <module-name>o-ran-software-management</module-name>
  <access-operations>create read update delete exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-file-management-permission</name>
  <module-name>o-ran-file-management</module-name>
  <access-operations>exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-performance-management-permission</name>
  <module-name>o-ran-performance-management</module-name>
  <access-operations>create read update delete exec</access-operations>
  <action>permit</action>
```

```
</rule>
<rule>
  <name>o-ran-ald-port-permission</name>
  <module-name>o-ran-ald-port</module-name>
  <access-operations>create read update delete exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-ald-permission</name>
  <module-name>o-ran-ald</module-name>
  <access-operations>exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-transceiver-permission</name>
  <module-name>o-ran-transceiver</module-name>
  <access-operations>create read update delete</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-interfaces-permission</name>
  <module-name>o-ran-interfaces</module-name>
  <access-operations>create read update delete exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>ietf-ip-permission</name>
  <module-name>ietf-ip</module-name>
  <access-operations>create read update delete</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>ietf-interfaces-permission</name>
  <module-name>ietf-interfaces</module-name>
  <access-operations>create read update delete</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>iana-if-type-permission</name>
  <module-name>iana-if-type</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>ietf-inet-types-permission</name>
  <module-name>ietf-inet-types</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
```

```
<rule>
<name>o-ran-processing-elements-permission</name>
<module-name>o-ran-processing-element</module-name>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-mplane-interfaces-permission</name>
<module-name>o-ran-mplane-int</module-name>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-dhcp-permission</name>
<module-name>o-ran-dhcp</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-troubleshooting-permission</name>
<module-name>o-ran-troubleshooting</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-trace-permission</name>
<module-name>o-ran-trace</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-acm-permission</name>
<module-name>ietf-netconf-acm</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-yang-library-permission</name>
<module-name>ietf-yang-library</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-monitoring-permission</name>
<module-name>ietf-netconf-monitoring</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
</rule>
```

```
<name>ietf-netconf-notifications-permission</name>
<module-name>ietf-netconf-notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
</rule>
<name>nc-notifications-permission</name>
<module-name>nc-notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
</rule>
<name>notifications-permission</name>
<module-name>notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
</rule-list>
<rule-list>
<name>nms-access</name>
<group>nms</group>
<rule>
<name>ietf-netconf-permission</name>
<module-name>ietf-netconf</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-hardware-permission</name>
<module-name>o-ran-hardware</module-name>
<access-operations>read exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-hardware-permission</name>
<module-name>ietf-hardware</module-name>
<access-operations>create read update delete exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>iana-hardware-permission</name>
<module-name>iana-hardware</module-name>
<access-operations>create read update delete exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-fm-permission</name>
<module-name>o-ran-fm</module-name>
<access-operations>read exec</access-operations>
```

```
<action>permit</action>
</rule>
<rule>
  <name>o-ran-sync-permission</name>
  <module-name>o-ran-sync</module-name>
  <access-operations>create read update delete</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-delay-management-permission</name>
  <module-name>o-ran-delay-management</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-module-cap-permission</name>
  <module-name>o-ran-module-cap</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-udp-echo-permission</name>
  <module-name>o-ran-udp-echo</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-operations-permission</name>
  <module-name>o-ran-operations</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-uplane-conf</name>
  <module-name>o-ran-uplane-conf</module-name>
  <access-operations>create read update delete exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-lbm-permission</name>
  <module-name>o-ran-lbm</module-name>
  <access-operations>create read update delete</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-software-management-permission</name>
  <module-name>o-ran-software-management</module-name>
  <access-operations>create read update delete exec</access-operations>
  <action>permit</action>
```

```
</rule>
<rule>
  <name>o-ran-file-management-permission</name>
  <module-name>o-ran-file-management</module-name>
  <access-operations>exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-performance-management-permission</name>
  <module-name>o-ran-performance-management</module-name>
  <access-operations>create read update delete exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-ald-port-permission</name>
  <module-name>o-ran-ald-port</module-name>
  <access-operations>create read update delete exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-transceiver-permission</name>
  <module-name>o-ran-transceiver</module-name>
  <access-operations>create read update delete</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-interfaces-permission</name>
  <module-name>o-ran-interfaces</module-name>
  <access-operations>create read update delete exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>ietf-ip-permission</name>
  <module-name>ietf-ip</module-name>
  <access-operations>create read update delete</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>ietf-interfaces-permission</name>
  <module-name>ietf-interfaces</module-name>
  <access-operations>create read update delete</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>iana-if-type-permission</name>
  <module-name>iana-if-type</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
```

```
<rule>
<name>ietf-inet-types-permission</name>
<module-name>ietf-inet-types</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-processing-elements-permission</name>
<module-name>o-ran-processing-element</module-name>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-mplane-interfaces-permission</name>
<module-name>o-ran-mplane-int</module-name>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-dhcp-permission</name>
<module-name>o-ran-dhcp</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-troubleshooting-permission</name>
<module-name>o-ran-troubleshooting</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-trace-permission</name>
<module-name>o-ran-trace</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-acm-permission</name>
<module-name>ietf-netconf-acm</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-yang-library-permission</name>
<module-name>ietf-yang-library</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
```

```
<name>ietf-netconf-monitoring-permission</name>
<module-name>ietf-netconf-monitoring</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-notifications-permission</name>
<module-name>ietf-netconf-notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>nc-notifications-permission</name>
<module-name>nc-notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>notifications-permission</name>
<module-name>notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
</rule-list>
<rule-list>
<name>fm-pm-access</name>
<group>fm-pm</group>
<rule>
<name>ietf-netconf-permission</name>
<module-name>ietf-netconf</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-hardware-permission</name>
<module-name>ietf-hardware</module-name>
<access-operations>read exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>iana-hardware-permission</name>
<module-name>iana-hardware</module-name>
<access-operations>read exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-fm-permission</name>
<module-name>o-ran-fm</module-name>
<access-operations>read exec</access-operations>
```



```
<action>permit</action>
</rule>
<rule>
  <name>o-ran-sync-permission</name>
  <module-name>o-ran-sync</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-delay-management-permission</name>
  <module-name>o-ran-delay-management</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-module-cap-permission</name>
  <module-name>o-ran-module-cap</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-operations-permission</name>
  <module-name>o-ran-operations</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-uplane-conf</name>
  <module-name>o-ran-uplane-conf</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-lbm-permission</name>
  <module-name>o-ran-lbm</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-software-management-permission</name>
  <module-name>o-ran-software-management</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-file-management-permission</name>
  <module-name>o-ran-file-management</module-name>
  <access-operations>exec</access-operations>
  <action>permit</action>
```

```
</rule>
<rule>
  <name>o-ran-performance-management-permission</name>
  <module-name>o-ran-performance-management</module-name>
  <access-operations>create read update delete exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-transceiver-permission</name>
  <module-name>o-ran-transceiver</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-interfaces-permission</name>
  <module-name>o-ran-interfaces</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>ietf-ip-permission</name>
  <module-name>ietf-ip</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>ietf-interfaces-permission</name>
  <module-name>ietf-interfaces</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>iana-if-type-permission</name>
  <module-name>iana-if-type</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>ietf-inet-types-permission</name>
  <module-name>ietf-inet-types</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-processing-elements-permission</name>
  <module-name>o-ran-processing-element</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
```

```
<rule>
<name>o-ran-mplane-interfaces-permission</name>
<module-name>o-ran-mplane-int</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-dhcp-permission</name>
<module-name>o-ran-dhcp</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-troubleshooting-permission</name>
<module-name>o-ran-troubleshooting</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-trace-permission</name>
<module-name>o-ran-trace</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-acm-permission</name>
<module-name>ietf-netconf-acm</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-yang-library-permission</name>
<module-name>ietf-yang-library</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-monitoring-permission</name>
<module-name>ietf-netconf-monitoring</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-notifications-permission</name>
<module-name>ietf-netconf-notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
```

```
<name>nc-notifications-permission</name>
<module-name>nc-notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>notifications-permission</name>
<module-name>notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
</rule-list>
<rule-list>
<name>swm-access</name>
<group>swm</group>
<rule>
<name>ietf-netconf-permission</name>
<module-name>ietf-netconf</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-software-management-permission</name>
<module-name>o-ran-software-management</module-name>
<access-operations>create read update delete exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>iana-if-type-permission</name>
<module-name>iana-if-type</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-inet-types-permission</name>
<module-name>ietf-inet-types</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-acm-permission</name>
<module-name>ietf-netconf-acm</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-yang-library-permission</name>
<module-name>ietf-yang-library</module-name>
<access-operations>*</access-operations>
```

```
<action>permit</action>
</rule>
<rule>
  <name>ietf-netconf-monitoring-permission</name>
  <module-name>ietf-netconf-monitoring</module-name>
  <access-operations>*</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>ietf-netconf-notifications-permission</name>
  <module-name>ietf-netconf-notifications</module-name>
  <access-operations>*</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>nc-notifications-permission</name>
  <module-name>nc-notifications</module-name>
  <access-operations>*</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>notifications-permission</name>
  <module-name>notifications</module-name>
  <access-operations>*</access-operations>
  <action>permit</action>
</rule>
</rule-list>
<denied-operations>0</denied-operations>
<denied-data-writes>0</denied-data-writes>
<denied-notifications>0</denied-notifications>
</nacm>
<netconf-server xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-server">
  <listen>
    <endpoint>
      <name>default-ssh</name>
      <ssh>
        <tcp-server-parameters>
          <local-address>:::</local-address>
          <keepalives>
            <idle-time>1</idle-time>
            <max-probes>10</max-probes>
            <probe-interval>5</probe-interval>
          </keepalives>
        </tcp-server-parameters>
        <ssh-server-parameters>
          <server-identity>
            <host-key>
              <name>default-key</name>
              <public-key>
```

```
<keystore-reference>genkey</keystore-reference>
</public-key>
</host-key>
</server-identity>
<client-authentication>
  <supported-authentication-methods>
    <publickey/>
    <password/>
    <other>interactive</other>
  </supported-authentication-methods>
  <users/>
</client-authentication>
</ssh-server-parameters>
</ssh>
</endpoint>
</listen>
<call-home>
  <netconf-client>
    <name>default-client</name>
    <endpoints>
      <endpoint>
        <name>endpoint-1</name>
        <ssh>
          <tcp-client-parameters>
            <remote-address>192.168.49.88</remote-address>
            <keepalives>
              <idle-time>1</idle-time>
              <max-probes>10</max-probes>
              <probe-interval>5</probe-interval>
            </keepalives>
          </tcp-client-parameters>
          <ssh-server-parameters>
            <server-identity>
              <host-key>
                <name>default-key</name>
                <public-key>
                  <keystore-reference>genkey</keystore-reference>
                </public-key>
              </host-key>
            </server-identity>
            <client-authentication>
              <supported-authentication-methods>
                <publickey/>
                <password/>
                <other>interactive</other>
              </supported-authentication-methods>
              <users/>
            </client-authentication>
          </ssh-server-parameters>
```

```
</ssh>
</endpoint>
</endpoints>
<connection-type>
  <persistent/>
</connection-type>
</netconf-client>
</call-home>
</netconf-server>
<system-apps xmlns="urn:vvdn_mcel:wdm:1.1">
  <sys_monitor>0</sys_monitor>
  <fault_manager>0</fault_manager>
  <nw_manager>0</nw_manager>
  <um_manager>0</um_manager>
  <fw_manager>0</fw_manager>
  <sync_manager>0</sync_manager>
  <file_manager>0</file_manager>
  <operations_manager>0</operations_manager>
  <supervision>0</supervision>
  <pm_manager>0</pm_manager>
  <ald_controller>0</ald_controller>
  <log_manager>0</log_manager>
  <radio_manager>0</radio_manager>
  <cli_manager>0</cli_manager>
</system-apps>
<interfaces xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces">
  <interface>
    <name>lo</name>
    <enabled>true</enabled>
    <type xmlns:ianaift="urn:ietf:params:xml:ns:yang:iana-if-type">ianaift:ethernetCsmacd</type>
    <ipv4 xmlns="urn:ietf:params:xml:ns:yang:ietf-ip">
      <address>
        <ip>127.0.0.1</ip>
        <netmask>255.0.0.0</netmask>
      </address>
      <enabled>true</enabled>
    </ipv4>
    <mac-address xmlns="urn:o-ran:interfaces:1.0">00:00:00:00:00:00</mac-address>
    <statistics>
      <in-octets>1408</in-octets>
      <in-discards>0</in-discards>
      <in-errors>0</in-errors>
      <out-octets>1408</out-octets>
      <out-errors>0</out-errors>
      <out-discards>0</out-discards>
    </statistics>
    <oper-status>up</oper-status>
    <phys-address>00:00:00:00:00:00</phys-address>
    <last-cleared xmlns="urn:o-ran:interfaces:1.0">2020-05-19T16:39:57-08:00</last-cleared>
```

```
</interface>
<interface>
  <name>eth0</name>
  <enabled>true</enabled>
  <type xmlns:ianaift="urn:ietf:params:xml:ns:yang:iana-if-type">ianaift:ethernetCsmacd</type>
  <ipv4 xmlns="urn:ietf:params:xml:ns:yang:ietf-ip">
    <address>
      <ip>192.168.1.10</ip>
      <netmask>255.255.255.0</netmask>
    </address>
    <enabled>true</enabled>
  </ipv4>
  <l2-mtu xmlns="urn:o-ran:interfaces:1.0">1500</l2-mtu>
  <mac-address xmlns="urn:o-ran:interfaces:1.0">98:ae:71:00:8a:c1</mac-address>
  <statistics>
    <in-octets>0</in-octets>
    <in-discards>0</in-discards>
    <in-errors>0</in-errors>
    <out-octets>0</out-octets>
    <out-errors>0</out-errors>
    <out-discards>0</out-discards>
  </statistics>
  <oper-status>up</oper-status>
  <phys-address>98:ae:71:00:8a:c1</phys-address>
  <last-cleared xmlns="urn:o-ran:interfaces:1.0">2020-05-19T16:39:57-08:00</last-cleared>
</interface>
<interface>
  <name>eth1</name>
  <enabled>true</enabled>
  <type xmlns:ianaift="urn:ietf:params:xml:ns:yang:iana-if-type">ianaift:ethernetCsmacd</type>
  <ipv4 xmlns="urn:ietf:params:xml:ns:yang:ietf-ip">
    <address>
      <ip>192.168.4.50</ip>
      <netmask>255.255.255.0</netmask>
    </address>
    <enabled>true</enabled>
  </ipv4>
  <l2-mtu xmlns="urn:o-ran:interfaces:1.0">1500</l2-mtu>
  <mac-address xmlns="urn:o-ran:interfaces:1.0">98:ae:71:00:8a:c2</mac-address>
  <statistics>
    <in-octets>22054</in-octets>
    <in-discards>0</in-discards>
    <in-errors>0</in-errors>
    <out-octets>41971</out-octets>
    <out-errors>0</out-errors>
    <out-discards>0</out-discards>
  </statistics>
  <oper-status>up</oper-status>
  <phys-address>98:ae:71:00:8a:c2</phys-address>
```



```
<last-cleared xmlns="urn:o-ran:interfaces:1.0">2020-05-19T16:39:57-08:00</last-cleared>
</interface>
<interface>
  <name>eth1.428</name>
  <enabled>true</enabled>
  <type xmlns:ianaift="urn:ietf:params:xml:ns:yang:iana-if-type">ianaift:l2vlan</type>
  <ipv4 xmlns="urn:ietf:params:xml:ns:yang:ietf-ip">
    <address>
      <ip>192.168.241.37</ip>
      <netmask>255.255.255.0</netmask>
    </address>
    <enabled>true</enabled>
  </ipv4>
  <base-interface xmlns="urn:o-ran:interfaces:1.0">eth1</base-interface>
  <vlan-id xmlns="urn:o-ran:interfaces:1.0">428</vlan-id>
  <mac-address xmlns="urn:o-ran:interfaces:1.0">98:ae:71:00:8a:c2</mac-address>
  <port-reference xmlns="urn:o-ran:interfaces:1.0">
    <port-name>ru-port1</port-name>
    <port-number>1</port-number>
  </port-reference>
  <statistics>
    <in-octets>0</in-octets>
    <in-discards>0</in-discards>
    <in-errors>0</in-errors>
    <out-octets>1860</out-octets>
    <out-errors>0</out-errors>
    <out-discards>0</out-discards>
  </statistics>
  <oper-status>up</oper-status>
  <phys-address>98:ae:71:00:8a:c2</phys-address>
  <last-cleared xmlns="urn:o-ran:interfaces:1.0">2020-05-19T16:39:57-08:00</last-cleared>
</interface>
<interface>
  <name>eth1.490</name>
  <enabled>true</enabled>
  <type xmlns:ianaift="urn:ietf:params:xml:ns:yang:iana-if-type">ianaift:l2vlan</type>
  <ipv4 xmlns="urn:ietf:params:xml:ns:yang:ietf-ip">
    <address>
      <ip>192.168.49.43</ip>
      <netmask>255.255.255.0</netmask>
    </address>
    <enabled>true</enabled>
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  <in-discards>0</in-discards>  
  <in-errors>0</in-errors>  
  <out-octets>37536</out-octets>  
  <out-errors>0</out-errors>  
  <out-discards>0</out-discards>  
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  <m-plane-interfaces>  
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      <sub-interface>428</sub-interface>  
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        <mplane-ipv4-info>  
          <mplane-ipv4>192.168.49.88</mplane-ipv4>  
          <port>4334</port>  
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      </client-info>  
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  </m-plane-sub-interfaces>  
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  </client-info>  
</m-plane-sub-interfaces>  
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</mplane-info>  
  
<processing-elements xmlns="urn:o-ran:processing-element:1.0">  
  <maximum-number-of-transport-flows>4</maximum-number-of-transport-flows>  
</processing-elements>  
  
<ald-ports-io xmlns="urn:o-ran:ald-port:1.0">  
  <over-current-supported>>false</over-current-supported>  
  <ald-port>  
    <name>PORT0</name>  
    <port-id>0</port-id>  
    <dc-control-support>>false</dc-control-support>  
    <dc-enabled-status>>true</dc-enabled-status>  
    <supported-connector>RS485_PORT</supported-connector>
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</ald-port>
</ald-ports-io>
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  <ptp-config>
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    <accepted-clock-classes>
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      <clock-classes>7</clock-classes>
    </accepted-clock-classes>
    <accepted-clock-classes>
      <clock-classes>6</clock-classes>
    </accepted-clock-classes>
    <ptp-profile>G_8275_1</ptp-profile>
    <g-8275-1-config>
      <multicast-mac-address>FORWARDABLE</multicast-mac-address>
      <delay-asymmetry>0</delay-asymmetry>
    </g-8275-1-config>
  </ptp-config>
  <ptp-status>
    <reporting-period>10</reporting-period>
    <lock-state>UNLOCKED</lock-state>
    <clock-class>0</clock-class>
    <partial-timing-supported>false</partial-timing-supported>
    <sources>
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      <two-step-flag>false</two-step-flag>
      <leap61>false</leap61>
      <leap59>false</leap59>
      <current-utc-offset-valid>false</current-utc-offset-valid>
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<priority1>0</priority1>
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<clock-accuracy>0</clock-accuracy>
<offset-scaled-log-variance>0</offset-scaled-log-variance>
<priority2>0</priority2>
<steps-removed>0</steps-removed>
<time-source>0</time-source>
</sources>
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  <acceptance-list-of-ssm>EEC1</acceptance-list-of-ssm>
  <acceptance-list-of-ssm>DNU</acceptance-list-of-ssm>
  <acceptance-list-of-ssm>NONE</acceptance-list-of-ssm>
  <ssm-timeout>5</ssm-timeout>
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    <quality-level>0</quality-level>
  </sources>
</sync-status>
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  </supported-reference-types>
  <supported-reference-types>
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  </supported-reference-types>
</sync-status>
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  <sync-t-tsc>ENHANCED</sync-t-tsc>
</sync-capability>
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    <number-of-ru-ports>4</number-of-ru-ports>
    <number-of-spatial-streams>4</number-of-spatial-streams>
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    <min-power-per-pa-antenna>43.0</min-power-per-pa-antenna>
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  <dynamic-compression-supported>>false</dynamic-compression-supported>
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    <compression-type>STATIC</compression-type>
    <bitwidth>9</bitwidth>
    <exponent>4</exponent>
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    <compression-type>STATIC</compression-type>
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  <min-power-per-antenna>43.0</min-power-per-antenna>
</band-capabilities>
</module-capability>
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  <clock>
    <timezone-utc-offset>530</timezone-utc-offset>
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<timezone-name>Asia/Kolkata</timezone-name>
</clock>
<re-call-home-no-ssh-timer>60</re-call-home-no-ssh-timer>
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  <ru-instance-id>RUGS_RU_MODEL_2020_VVDN_RU_01</ru-instance-id>
  <supported-mplane-version>2.0.0</supported-mplane-version>
  <supported-cusplane-version>2.0.0</supported-cusplane-version>
  <supported-header-mechanism>
    <protocol>ECPRI</protocol>
    <protocol-version>1.0</protocol-version>
  </supported-header-mechanism>
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  <restart-datetime>2103-10-30T08:52:22+08:50</restart-datetime>
</operational-state>
</operational-info>
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      <y>1.0</y>
      <z>1.0</z>
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  <array2>
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    <pairs>
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      <element-array2>0</element-array2>
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    <tx-array-name>slltx-endpoint1</tx-array-name>
  </array1>
  <array2>
    <rx-array-name>sllrx-endpoint1</rx-array-name>
  </array2>
  <types/>
  <types>
    <relation-type>COALLOCATED</relation-type>
    <pairs>
      <element-array1>1</element-array1>
      <element-array2>1</element-array2>
    </pairs>
  </types>
</relations>
<relations>
  <entity>2</entity>
  <array1>
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<tx-array-name>slltx-endpoint2</tx-array-name>
</array1>
<array2>
  <rx-array-name>sllrx-endpoint2</rx-array-name>
</array2>
<types/>
<types>
  <relation-type>COALLOCATED</relation-type>
  <pairs>
    <element-array1>1</element-array1>
    <element-array2>2</element-array2>
  </pairs>
</types>
</relations>
<relations>
  <entity>3</entity>
  <array1>
    <tx-array-name>slltx-endpoint3</tx-array-name>
  </array1>
  <array2>
    <rx-array-name>sllrx-endpoint3</rx-array-name>
  </array2>
  <types/>
  <types>
    <relation-type>COALLOCATED</relation-type>
    <pairs>
      <element-array1>1</element-array1>
      <element-array2>3</element-array2>
    </pairs>
  </types>
</relations>
<endpoint-types>
  <id>1</id>
  <supported-section-types>
    <section-type>1</section-type>
  </supported-section-types>
  <supported-section-types>
    <section-type>3</section-type>
  </supported-section-types>
  <supported-frame-structures>193</supported-frame-structures>
  <managed-delay-support>MANAGED</managed-delay-support>
  <multiple-numerology-supported>>false</multiple-numerology-supported>
  <max-sections-per-symbol>46</max-sections-per-symbol>
  <max-sections-per-slot>644</max-sections-per-slot>
  <max-prb-per-symbol>273</max-prb-per-symbol>
  <max-numerologies-per-symbol>1</max-numerologies-per-symbol>
</endpoint-types>
<static-low-level-tx-endpoints>
  <name>slltx-endpoint0</name>
```

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<array>slltx-endpoint0</array>
<endpoint-type>1</endpoint-type>
<capacity-sharing-groups>1</capacity-sharing-groups>
</static-low-level-tx-endpoints>
<static-low-level-tx-endpoints>
<name>slltx-endpoint1</name>
<array>slltx-endpoint1</array>
<endpoint-type>1</endpoint-type>
<capacity-sharing-groups>1</capacity-sharing-groups>
</static-low-level-tx-endpoints>
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<name>slltx-endpoint2</name>
<array>slltx-endpoint2</array>
<endpoint-type>1</endpoint-type>
<capacity-sharing-groups>1</capacity-sharing-groups>
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<array>slltx-endpoint3</array>
<endpoint-type>1</endpoint-type>
<capacity-sharing-groups>1</capacity-sharing-groups>
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<array>sllrx-endpoint0</array>
<endpoint-type>1</endpoint-type>
<capacity-sharing-groups>1</capacity-sharing-groups>
</static-low-level-rx-endpoints>
<static-low-level-rx-endpoints>
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<array>sllrx-endpoint1</array>
<endpoint-type>1</endpoint-type>
<capacity-sharing-groups>1</capacity-sharing-groups>
</static-low-level-rx-endpoints>
<static-low-level-rx-endpoints>
<name>sllrx-endpoint2</name>
<array>sllrx-endpoint2</array>
<endpoint-type>1</endpoint-type>
<capacity-sharing-groups>1</capacity-sharing-groups>
</static-low-level-rx-endpoints>
<static-low-level-rx-endpoints>
<name>sllrx-endpoint3</name>
<array>sllrx-endpoint3</array>
<endpoint-type>1</endpoint-type>
<capacity-sharing-groups>1</capacity-sharing-groups>
</static-low-level-rx-endpoints>
<endpoint-capacity-sharing-groups/>
<endpoint-capacity-sharing-groups>
<id>1</id>
```

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<max-managed-delay-endpoints>4</max-managed-delay-endpoints>
<max-non-managed-delay-endpoints>0</max-non-managed-delay-endpoints>
<max-endpoints>4</max-endpoints>
<max-sections-per-symbol>46</max-sections-per-symbol>
<max-sections-per-slot>644</max-sections-per-slot>
<max-prb-per-symbol>273</max-prb-per-symbol>
<max-numerologies-per-symbol>1</max-numerologies-per-symbol>
</endpoint-capacity-sharing-groups>
</user-plane-configuration>
<yang-library xmlns="urn:ietf:params:xml:ns:yang:ietf-yang-library">
  <module-set>
    <name>complete</name>
    <import-only-module>
      <name>ietf-yang-metadata</name>
      <revision>2016-08-05</revision>
      <namespace>urn:ietf:params:xml:ns:yang:ietf-yang-metadata</namespace>
    </import-only-module>
    <module>
      <name>yang</name>
      <revision>2017-02-20</revision>
      <namespace>urn:ietf:params:xml:ns:yang:1</namespace>
    </module>
    <import-only-module>
      <name>ietf-inet-types</name>
      <revision>2013-07-15</revision>
      <namespace>urn:ietf:params:xml:ns:yang:ietf-inet-types</namespace>
      <location>file:///etc/sysrepo/yang/yang_models/imported/ietf/ietf-inet-types.yang</location>
    </import-only-module>
    <import-only-module>
      <name>ietf-yang-types</name>
      <revision>2013-07-15</revision>
      <namespace>urn:ietf:params:xml:ns:yang:ietf-yang-types</namespace>
      <location>file:///etc/sysrepo/yang/yang_models/imported/ietf/ietf-yang-types.yang</location>
    </import-only-module>
    <module>
      <name>sysrepo</name>
      <revision>2021-01-18</revision>
      <namespace>http://www.sysrepo.org/yang/sysrepo</namespace>
    </module>
    <module>
      <name>ietf-datastores</name>
      <revision>2018-02-14</revision>
      <namespace>urn:ietf:params:xml:ns:yang:ietf-datastores</namespace>
      <location>file:///etc/sysrepo/yang/ietf-datastores@2018-02-14.yang</location>
    </module>
    <module>
      <name>ietf-yang-library</name>
      <revision>2019-01-04</revision>
      <namespace>urn:ietf:params:xml:ns:yang:ietf-yang-library</namespace>
```

```
<location>file:///etc/sysrepo/yang/ietf-yang-library@2019-01-04.yang</location>
</module>
<module>
  <name>sysrepo-monitoring</name>
  <revision>2021-01-15</revision>
  <namespace>http://www.sysrepo.org/yang/sysrepo-monitoring</namespace>
  <location>file:///etc/sysrepo/yang/sysrepo-monitoring@2021-01-15.yang</location>
</module>
<module>
  <name>sysrepo-plugind</name>
  <revision>2020-12-10</revision>
  <namespace>urn:sysrepo:plugind</namespace>
  <location>file:///etc/sysrepo/yang/sysrepo-plugind@2020-12-10.yang</location>
</module>
<module>
  <name>ietf-netconf-acm</name>
  <revision>2018-02-14</revision>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-acm</namespace>
  <location>file:///etc/sysrepo/yang/ietf-netconf-acm@2018-02-14.yang</location>
</module>
<module>
  <name>ietf-netconf</name>
  <revision>2013-09-29</revision>
  <namespace>urn:ietf:params:xml:ns:netconf:base:1.0</namespace>
  <location>file:///etc/sysrepo/yang/ietf-netconf@2013-09-29.yang</location>
  <feature>writable-running</feature>
  <feature>candidate</feature>
  <feature>rollback-on-error</feature>
  <feature>validate</feature>
  <feature>startup</feature>
  <feature>url</feature>
  <feature>xpath</feature>
</module>
<module>
  <name>ietf-netconf-with-defaults</name>
  <revision>2011-06-01</revision>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-with-defaults</namespace>
  <location>file:///etc/sysrepo/yang/ietf-netconf-with-defaults@2011-06-01.yang</location>
</module>
<module>
  <name>ietf-netconf-notifications</name>
  <revision>2012-02-06</revision>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-notifications</namespace>
  <location>file:///etc/sysrepo/yang/ietf-netconf-notifications@2012-02-06.yang</location>
</module>
<module>
  <name>ietf-origin</name>
  <revision>2018-02-14</revision>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-origin</namespace>
```



```
<location>file:///etc/sysrepo/yang/ietf-origin@2018-02-14.yang</location>
</module>
<module>
<name>ietf-netconf-monitoring</name>
<revision>2010-10-04</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-monitoring</namespace>
<location>file:///etc/sysrepo/yang/ietf-netconf-monitoring@2010-10-04.yang</location>
</module>
<module>
<name>ietf-netconf-nmda</name>
<revision>2019-01-07</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-nmda</namespace>
<location>file:///etc/sysrepo/yang/ietf-netconf-nmda@2019-01-07.yang</location>
<feature>origin</feature>
<feature>with-defaults</feature>
</module>
<module>
<name>notifications</name>
<revision>2008-07-14</revision>
<namespace>urn:ietf:params:xml:ns:netconf:notification:1.0</namespace>
<location>file:///etc/sysrepo/yang/notifications@2008-07-14.yang</location>
</module>
<module>
<name>nc-notifications</name>
<revision>2008-07-14</revision>
<namespace>urn:ietf:params:xml:ns:netmod:notification</namespace>
<location>file:///etc/sysrepo/yang/nc-notifications@2008-07-14.yang</location>
</module>
<module>
<name>ietf-x509-cert-to-name</name>
<revision>2014-12-10</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-x509-cert-to-name</namespace>
<location>file:///etc/sysrepo/yang/ietf-x509-cert-to-name@2014-12-10.yang</location>
</module>
<module>
<name>ietf-crypto-types</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-crypto-types</namespace>
<location>file:///etc/sysrepo/yang/ietf-crypto-types@2019-07-02.yang</location>
</module>
<module>
<name>ietf-keystore</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-keystore</namespace>
<location>file:///etc/sysrepo/yang/ietf-keystore@2019-07-02.yang</location>
<feature>keystore-supported</feature>
</module>
<module>
<name>ietf-truststore</name>
```

```
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-truststore</namespace>
<location>file:///etc/sysrepo/yang/ietf-truststore@2019-07-02.yang</location>
<feature>truststore-supported</feature>
<feature>x509-certificates</feature>
</module>
<module>
<name>ietf-tcp-common</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-tcp-common</namespace>
<location>file:///etc/sysrepo/yang/ietf-tcp-common@2019-07-02.yang</location>
<feature>keepalives-supported</feature>
</module>
<import-only-module>
<name>ietf-ssh-common</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-ssh-common</namespace>
<location>file:///etc/sysrepo/yang/ietf-ssh-common@2019-07-02.yang</location>
</import-only-module>
<import-only-module>
<name>iana-crypt-hash</name>
<revision>2014-08-06</revision>
<namespace>urn:ietf:params:xml:ns:yang:iana-crypt-hash</namespace>
<location>file:///etc/sysrepo/yang/iana-crypt-hash@2014-08-06.yang</location>
</import-only-module>
<module>
<name>ietf-ssh-server</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-ssh-server</namespace>
<location>file:///etc/sysrepo/yang/ietf-ssh-server@2019-07-02.yang</location>
<feature>local-client-auth-supported</feature>
</module>
<import-only-module>
<name>ietf-tls-common</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-tls-common</namespace>
<location>file:///etc/sysrepo/yang/ietf-tls-common@2019-07-02.yang</location>
</import-only-module>
<module>
<name>ietf-tls-server</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-tls-server</namespace>
<location>file:///etc/sysrepo/yang/ietf-tls-server@2019-07-02.yang</location>
<feature>local-client-auth-supported</feature>
</module>
<import-only-module>
<name>ietf-tcp-client</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-tcp-client</namespace>
```

```
<location>file:///etc/sysrepo/yang/ietf-tcp-client@2019-07-02.yang</location>
</import-only-module>
<import-only-module>
<name>ietf-tcp-server</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-tcp-server</namespace>
<location>file:///etc/sysrepo/yang/ietf-tcp-server@2019-07-02.yang</location>
</import-only-module>
<module>
<name>ietf-netconf-server</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-server</namespace>
<location>file:///etc/sysrepo/yang/ietf-netconf-server@2019-07-02.yang</location>
<feature>ssh-listen</feature>
<feature>tls-listen</feature>
<feature>ssh-call-home</feature>
<feature>tls-call-home</feature>
</module>
<module>
<name>vvdn_mcel-wdm</name>
<revision>2022-05-03</revision>
<namespace>urn:vvdn_mcel:wdm:1.1</namespace>
<location>file:///etc/sysrepo/yang/vvdn_mcel-wdm@2022-05-03.yang</location>
</module>
<module>
<name>vvdn_mcel-opm</name>
<revision>2020-11-08</revision>
<namespace>urn:vvdn_mcel-opm:1.1</namespace>
<location>file:///etc/sysrepo/yang/vvdn_mcel-opm@2020-11-08.yang</location>
</module>
<module>
<name>notification_history</name>
<namespace>urn:notification_history</namespace>
<location>file:///etc/sysrepo/yang/notification_history.yang</location>
</module>
<module>
<name>iana-hardware</name>
<revision>2018-03-13</revision>
<namespace>urn:ietf:params:xml:ns:yang:iana-hardware</namespace>
<location>file:///etc/sysrepo/yang/iana-hardware@2018-03-13.yang</location>
</module>
<module>
<name>ietf-hardware</name>
<revision>2018-03-13</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-hardware</namespace>
<location>file:///etc/sysrepo/yang/ietf-hardware@2018-03-13.yang</location>
<feature>hardware-state</feature>
</module>
<module>
```

```
<name>ietf-interfaces</name>
<revision>2018-02-20</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-interfaces</namespace>
<location>file:///etc/sysrepo/yang/ietf-interfaces@2018-02-20.yang</location>
</module>
<module>
<name>iana-if-type</name>
<revision>2017-01-19</revision>
<namespace>urn:ietf:params:xml:ns:yang:iana-if-type</namespace>
<location>file:///etc/sysrepo/yang/iana-if-type@2017-01-19.yang</location>
</module>
<module>
<name>ietf-dhcpv6-types</name>
<revision>2018-01-30</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-dhcpv6-types</namespace>
<location>file:///etc/sysrepo/yang/ietf-dhcpv6-types@2018-01-30.yang</location>
</module>
<module>
<name>ietf-ip</name>
<revision>2018-02-22</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-ip</namespace>
<location>file:///etc/sysrepo/yang/ietf-ip@2018-02-22.yang</location>
<feature>ipv4-non-contiguous-netmasks</feature>
</module>
<module>
<name>o-ran-dhcp</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:dhcp:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-dhcp@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-interfaces</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:interfaces:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-interfaces@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-mplane-int</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:mplane-interfaces:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-mplane-int@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-transceiver</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:transceiver:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-transceiver@2019-07-03.yang</location>
</module>
</module>
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<name>o-ran-processing-element</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:processing-element:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-processing-element@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-ald-port</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:ald-port:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-ald-port@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-supervision</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:supervision:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-supervision@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-hardware</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:hardware:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-hardware@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-fm</name>
<revision>2019-02-04</revision>
<namespace>urn:o-ran:fm:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-fm@2019-02-04.yang</location>
</module>
<module>
<name>o-ran-usermgmt</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:user-mgmt:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-usermgmt@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-sync</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:sync:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-sync@2019-07-03.yang</location>
<feature>GNSS</feature>
</module>
<module>
<name>o-ran-compression-factors</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:compression-factors:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-compression-factors@2019-07-03.yang</location>
</module>
</module>
```

```
<name>o-ran-module-cap</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:module-cap:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-module-cap@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-delay-management</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:delay:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-delay-management@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-operations</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:operations:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-operations@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-uplane-conf</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:uplane-conf:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-uplane-conf@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-file-management</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:file-management:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-file-management@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-software-management</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:software-management:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-software-management@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-performance-management</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:performance-management:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-performance-management@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-ald</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:ald:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-ald@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-trace</name>
```

```
<revision>2019-07-03</revision>
<namespace>urn:o-ran:trace:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-trace@2019-07-03.yang</location>
</module>
<module>
  <name>o-ran-troubleshooting</name>
  <revision>2019-02-04</revision>
  <namespace>urn:o-ran:troubleshooting:1.0</namespace>
  <location>file:///etc/sysrepo/yang/o-ran-troubleshooting@2019-02-04.yang</location>
</module>
</module-set>
<schema>
  <name>complete</name>
  <module-set>complete</module-set>
</schema>
<content-id>63</content-id>
<datastore>
  <name xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</name>
  <schema>complete</schema>
</datastore>
<datastore>
  <name xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:candidate</name>
  <schema>complete</schema>
</datastore>
<datastore>
  <name xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:startup</name>
  <schema>complete</schema>
</datastore>
<datastore>
  <name xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</name>
  <schema>complete</schema>
</datastore>
</yang-library>
<modules-state xmlns="urn:ietf:params:xml:ns:yang:ietf-yang-library">
  <module>
    <name>ietf-yang-metadata</name>
    <revision>2016-08-05</revision>
    <namespace>urn:ietf:params:xml:ns:yang:ietf-yang-metadata</namespace>
    <conformance-type>import</conformance-type>
  </module>
  <module>
    <name>yang</name>
    <revision>2017-02-20</revision>
    <namespace>urn:ietf:params:xml:ns:yang:1</namespace>
    <conformance-type>implement</conformance-type>
  </module>
  <module>
    <name>ietf-inet-types</name>
    <revision>2013-07-15</revision>
```

```
<schema>file:///etc/sysrepo/yang/yang_models/imported/ietf/ietf-inet-types.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-inet-types</namespace>
<conformance-type>import</conformance-type>
</module>
<module>
<name>ietf-yang-types</name>
<revision>2013-07-15</revision>
<schema>file:///etc/sysrepo/yang/yang_models/imported/ietf/ietf-yang-types.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-yang-types</namespace>
<conformance-type>import</conformance-type>
</module>
<module>
<name>sysrepo</name>
<revision>2021-01-18</revision>
<namespace>http://www.sysrepo.org/yang/sysrepo</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-datastores</name>
<revision>2018-02-14</revision>
<schema>file:///etc/sysrepo/yang/ietf-datastores@2018-02-14.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-datastores</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-yang-library</name>
<revision>2019-01-04</revision>
<schema>file:///etc/sysrepo/yang/ietf-yang-library@2019-01-04.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-yang-library</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>sysrepo-monitoring</name>
<revision>2021-01-15</revision>
<schema>file:///etc/sysrepo/yang/sysrepo-monitoring@2021-01-15.yang</schema>
<namespace>http://www.sysrepo.org/yang/sysrepo-monitoring</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>sysrepo-plugind</name>
<revision>2020-12-10</revision>
<schema>file:///etc/sysrepo/yang/sysrepo-plugind@2020-12-10.yang</schema>
<namespace>urn:sysrepo:plugind</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-netconf-acm</name>
<revision>2018-02-14</revision>
<schema>file:///etc/sysrepo/yang/ietf-netconf-acm@2018-02-14.yang</schema>
```



```
<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-acm</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-netconf</name>
<revision>2013-09-29</revision>
<schema>file:///etc/sysrepo/yang/ietf-netconf@2013-09-29.yang</schema>
<namespace>urn:ietf:params:xml:ns:netconf:base:1.0</namespace>
<feature>writable-running</feature>
<feature>candidate</feature>
<feature>rollback-on-error</feature>
<feature>validate</feature>
<feature>startup</feature>
<feature>url</feature>
<feature>xpath</feature>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-netconf-with-defaults</name>
<revision>2011-06-01</revision>
<schema>file:///etc/sysrepo/yang/ietf-netconf-with-defaults@2011-06-01.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-with-defaults</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-netconf-notifications</name>
<revision>2012-02-06</revision>
<schema>file:///etc/sysrepo/yang/ietf-netconf-notifications@2012-02-06.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-notifications</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-origin</name>
<revision>2018-02-14</revision>
<schema>file:///etc/sysrepo/yang/ietf-origin@2018-02-14.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-origin</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-netconf-monitoring</name>
<revision>2010-10-04</revision>
<schema>file:///etc/sysrepo/yang/ietf-netconf-monitoring@2010-10-04.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-monitoring</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-netconf-nmda</name>
<revision>2019-01-07</revision>
<schema>file:///etc/sysrepo/yang/ietf-netconf-nmda@2019-01-07.yang</schema>
```

```
<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-nmda</namespace>
<feature>origin</feature>
<feature>with-defaults</feature>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>notifications</name>
<revision>2008-07-14</revision>
<schema>file:///etc/sysrepo/yang/notifications@2008-07-14.yang</schema>
<namespace>urn:ietf:params:xml:ns:netconf:notification:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>nc-notifications</name>
<revision>2008-07-14</revision>
<schema>file:///etc/sysrepo/yang/nc-notifications@2008-07-14.yang</schema>
<namespace>urn:ietf:params:xml:ns:netmod:notification</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-x509-cert-to-name</name>
<revision>2014-12-10</revision>
<schema>file:///etc/sysrepo/yang/ietf-x509-cert-to-name@2014-12-10.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-x509-cert-to-name</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-crypto-types</name>
<revision>2019-07-02</revision>
<schema>file:///etc/sysrepo/yang/ietf-crypto-types@2019-07-02.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-crypto-types</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-keystore</name>
<revision>2019-07-02</revision>
<schema>file:///etc/sysrepo/yang/ietf-keystore@2019-07-02.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-keystore</namespace>
<feature>keystore-supported</feature>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-truststore</name>
<revision>2019-07-02</revision>
<schema>file:///etc/sysrepo/yang/ietf-truststore@2019-07-02.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-truststore</namespace>
<feature>truststore-supported</feature>
<feature>x509-certificates</feature>
<conformance-type>implement</conformance-type>
```

```
</module>
<module>
  <name>ietf-tcp-common</name>
  <revision>2019-07-02</revision>
  <schema>file:///etc/sysrepo/yang/ietf-tcp-common@2019-07-02.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-tcp-common</namespace>
  <feature>keepalives-supported</feature>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>ietf-ssh-common</name>
  <revision>2019-07-02</revision>
  <schema>file:///etc/sysrepo/yang/ietf-ssh-common@2019-07-02.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-ssh-common</namespace>
  <conformance-type>import</conformance-type>
</module>
<module>
  <name>iana-crypt-hash</name>
  <revision>2014-08-06</revision>
  <schema>file:///etc/sysrepo/yang/iana-crypt-hash@2014-08-06.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:iana-crypt-hash</namespace>
  <conformance-type>import</conformance-type>
</module>
<module>
  <name>ietf-ssh-server</name>
  <revision>2019-07-02</revision>
  <schema>file:///etc/sysrepo/yang/ietf-ssh-server@2019-07-02.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-ssh-server</namespace>
  <feature>local-client-auth-supported</feature>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>ietf-tls-common</name>
  <revision>2019-07-02</revision>
  <schema>file:///etc/sysrepo/yang/ietf-tls-common@2019-07-02.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-tls-common</namespace>
  <conformance-type>import</conformance-type>
</module>
<module>
  <name>ietf-tls-server</name>
  <revision>2019-07-02</revision>
  <schema>file:///etc/sysrepo/yang/ietf-tls-server@2019-07-02.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-tls-server</namespace>
  <feature>local-client-auth-supported</feature>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>ietf-tcp-client</name>
  <revision>2019-07-02</revision>
```

```
<schema>file:///etc/sysrepo/yang/ietf-tcp-client@2019-07-02.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-tcp-client</namespace>
<conformance-type>import</conformance-type>
</module>
<module>
<name>ietf-tcp-server</name>
<revision>2019-07-02</revision>
<schema>file:///etc/sysrepo/yang/ietf-tcp-server@2019-07-02.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-tcp-server</namespace>
<conformance-type>import</conformance-type>
</module>
<module>
<name>ietf-netconf-server</name>
<revision>2019-07-02</revision>
<schema>file:///etc/sysrepo/yang/ietf-netconf-server@2019-07-02.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-server</namespace>
<feature>ssh-listen</feature>
<feature>tls-listen</feature>
<feature>ssh-call-home</feature>
<feature>tls-call-home</feature>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>vvdn_mcel-wdm</name>
<revision>2022-05-03</revision>
<schema>file:///etc/sysrepo/yang/vvdn_mcel-wdm@2022-05-03.yang</schema>
<namespace>urn:vvdn_mcel:wdm:1.1</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>vvdn_mcel-opm</name>
<revision>2020-11-08</revision>
<schema>file:///etc/sysrepo/yang/vvdn_mcel-opm@2020-11-08.yang</schema>
<namespace>urn:vvdn_mcel-opm:1.1</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>notification_history</name>
<revision/>
<schema>file:///etc/sysrepo/yang/notification_history.yang</schema>
<namespace>urn:notification_history</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>iana-hardware</name>
<revision>2018-03-13</revision>
<schema>file:///etc/sysrepo/yang/iana-hardware@2018-03-13.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:iana-hardware</namespace>
<conformance-type>implement</conformance-type>
```

```
</module>
<module>
  <name>ietf-hardware</name>
  <revision>2018-03-13</revision>
  <schema>file:///etc/sysrepo/yang/ietf-hardware@2018-03-13.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-hardware</namespace>
  <feature>hardware-state</feature>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>ietf-interfaces</name>
  <revision>2018-02-20</revision>
  <schema>file:///etc/sysrepo/yang/ietf-interfaces@2018-02-20.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-interfaces</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>iana-if-type</name>
  <revision>2017-01-19</revision>
  <schema>file:///etc/sysrepo/yang/iana-if-type@2017-01-19.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:iana-if-type</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>ietf-dhcpv6-types</name>
  <revision>2018-01-30</revision>
  <schema>file:///etc/sysrepo/yang/ietf-dhcpv6-types@2018-01-30.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-dhcpv6-types</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>ietf-ip</name>
  <revision>2018-02-22</revision>
  <schema>file:///etc/sysrepo/yang/ietf-ip@2018-02-22.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-ip</namespace>
  <feature>ipv4-non-contiguous-netmasks</feature>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>o-ran-dhcp</name>
  <revision>2019-07-03</revision>
  <schema>file:///etc/sysrepo/yang/o-ran-dhcp@2019-07-03.yang</schema>
  <namespace>urn:o-ran:dhcp:1.0</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>o-ran-interfaces</name>
  <revision>2019-07-03</revision>
  <schema>file:///etc/sysrepo/yang/o-ran-interfaces@2019-07-03.yang</schema>
```

```
<namespace>urn:o-ran:interfaces:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-mplane-int</name>
<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/yang/o-ran-mplane-int@2019-07-03.yang</schema>
<namespace>urn:o-ran:mplane-interfaces:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-transceiver</name>
<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/yang/o-ran-transceiver@2019-07-03.yang</schema>
<namespace>urn:o-ran:transceiver:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-processing-element</name>
<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/yang/o-ran-processing-element@2019-07-03.yang</schema>
<namespace>urn:o-ran:processing-element:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-ald-port</name>
<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/yang/o-ran-ald-port@2019-07-03.yang</schema>
<namespace>urn:o-ran:ald-port:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-supervision</name>
<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/yang/o-ran-supervision@2019-07-03.yang</schema>
<namespace>urn:o-ran:supervision:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-hardware</name>
<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/yang/o-ran-hardware@2019-07-03.yang</schema>
<namespace>urn:o-ran:hardware:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-fm</name>
<revision>2019-02-04</revision>
<schema>file:///etc/sysrepo/yang/o-ran-fm@2019-02-04.yang</schema>
```

```
<namespace>urn:o-ran:fm:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
  <name>o-ran-usermgmt</name>
  <revision>2019-07-03</revision>
  <schema>file:///etc/sysrepo/yang/o-ran-usermgmt@2019-07-03.yang</schema>
  <namespace>urn:o-ran:user-mgmt:1.0</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>o-ran-sync</name>
  <revision>2019-07-03</revision>
  <schema>file:///etc/sysrepo/yang/o-ran-sync@2019-07-03.yang</schema>
  <namespace>urn:o-ran:sync:1.0</namespace>
  <feature>GNSS</feature>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>o-ran-compression-factors</name>
  <revision>2019-07-03</revision>
  <schema>file:///etc/sysrepo/yang/o-ran-compression-factors@2019-07-03.yang</schema>
  <namespace>urn:o-ran:compression-factors:1.0</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>o-ran-module-cap</name>
  <revision>2019-07-03</revision>
  <schema>file:///etc/sysrepo/yang/o-ran-module-cap@2019-07-03.yang</schema>
  <namespace>urn:o-ran:module-cap:1.0</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>o-ran-delay-management</name>
  <revision>2019-07-03</revision>
  <schema>file:///etc/sysrepo/yang/o-ran-delay-management@2019-07-03.yang</schema>
  <namespace>urn:o-ran:delay:1.0</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>o-ran-operations</name>
  <revision>2019-07-03</revision>
  <schema>file:///etc/sysrepo/yang/o-ran-operations@2019-07-03.yang</schema>
  <namespace>urn:o-ran:operations:1.0</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>o-ran-uplane-conf</name>
  <revision>2019-07-03</revision>
```

```
<schema>file:///etc/sysrepo/yang/o-ran-uplane-conf@2019-07-03.yang</schema>
<namespace>urn:o-ran:uplane-conf:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-file-management</name>
<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/yang/o-ran-file-management@2019-07-03.yang</schema>
<namespace>urn:o-ran:file-management:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-software-management</name>
<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/yang/o-ran-software-management@2019-07-03.yang</schema>
<namespace>urn:o-ran:software-management:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-performance-management</name>
<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/yang/o-ran-performance-management@2019-07-03.yang</schema>
<namespace>urn:o-ran:performance-management:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-ald</name>
<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/yang/o-ran-ald@2019-07-03.yang</schema>
<namespace>urn:o-ran:ald:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-trace</name>
<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/yang/o-ran-trace@2019-07-03.yang</schema>
<namespace>urn:o-ran:trace:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-troubleshooting</name>
<revision>2019-02-04</revision>
<schema>file:///etc/sysrepo/yang/o-ran-troubleshooting@2019-02-04.yang</schema>
<namespace>urn:o-ran:troubleshooting:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module-set-id>63</module-set-id>
</modules-state>
<sysrepo-state xmlns="http://www.sysrepo.org/yang/sysrepo-monitoring">
```



```
<module>
  <name>yang</name>
</module>
<module>
  <name>ietf-datastores</name>
</module>
<module>
  <name>ietf-yang-library</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
  <subscriptions>
    <notification-sub>1</notification-sub>
  </subscriptions>
</module>
<module>
  <name>sysrepo-monitoring</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
</module>
<module>
  <name>sysrepo-pluginind</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
</module>
<module>
```

```
<name>ietf-netconf-with-defaults</name>
</module>
<module>
  <name>ietf-netconf-notifications</name>
  <subscriptions>
    <notification-sub>1</notification-sub>
  </subscriptions>
</module>
<module>
  <name>ietf-origin</name>
</module>
<module>
  <name>ietf-netconf-acm</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
  <subscriptions>
    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <xpath xmlns:nacm="urn:ietf:params:xml:ns:yang:ietf-netconf-acm">/nacm:nacm</xpath>
      <priority>0</priority>
      <cid>1</cid>
    </change-sub>
    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <xpath xmlns:nacm="urn:ietf:params:xml:ns:yang:ietf-netconf-acm">/nacm:nacm/nacm:groups/nacm:group</xpath>
      <priority>0</priority>
      <cid>1</cid>
    </change-sub>
    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <xpath xmlns:nacm="urn:ietf:params:xml:ns:yang:ietf-netconf-acm">/nacm:nacm/nacm:rule-list</xpath>
      <priority>0</priority>
      <cid>1</cid>
    </change-sub>
    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <xpath xmlns:nacm="urn:ietf:params:xml:ns:yang:ietf-netconf-acm">/nacm:nacm/nacm:rule-list/nacm:rule</xpath>
      <priority>0</priority>
      <cid>1</cid>
    </change-sub>
  </subscriptions>
  <operational-sub>
```

```
<xpath xmlns:nacm="urn:ietf:params:xml:ns:yang:ietf-netconf-acm"/>/nacm:nacm/nacm:denied-operations</xpath>
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<operational-sub>
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<operational-sub>
<xpath xmlns:nacm="urn:ietf:params:xml:ns:yang:ietf-netconf-acm"/>/nacm:nacm/nacm:denied-notifications</xpath>
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</operational-sub>
</subscriptions>
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<module>
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</module>
<module>
<name>ietf-netconf-monitoring</name>
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<cid>1</cid>
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<mode>read</mode>
</data-lock>
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<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
<mode>read</mode>
</data-lock>
<subscriptions>
<operational-sub>
<xpath xmlns:ncm="urn:ietf:params:xml:ns:yang:ietf-netconf-monitoring"/>/ncm:netconf-state</xpath>
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</subscriptions>
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</module>
<module>
<name>nc-notifications</name>
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<cid>1</cid>
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</data-lock>
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<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
<mode>read</mode>
```

```
</data-lock>
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  <operational-sub>
    <xpath xmlns:manageEvent="urn:ietf:params:xml:ns:netmod:notification">/manageEvent:netconf</xpath>
    <cid>1</cid>
  </operational-sub>
  <notification-sub>1</notification-sub>
</subscriptions>
</module>
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  <name>notifications</name>
</module>
<module>
  <name>ietf-x509-cert-to-name</name>
</module>
<module>
  <name>ietf-crypto-types</name>
</module>
<module>
  <name>ietf-keystore</name>
  <data-lock>
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    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
  <subscriptions>
    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <xpath xmlns:ks="urn:ietf:params:xml:ns:yang:ietf-keystore">/ks:keystore/ks:asymmetric-keys</xpath>
      <priority>0</priority>
      <cid>1</cid>
    </change-sub>
    <notification-sub>1</notification-sub>
  </subscriptions>
</module>
<module>
  <name>ietf-truststore</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
```

```
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
<mode>read</mode>
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<subscriptions>
<change-sub>
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<xpath xmlns:ts="urn:ietf:params:xml:ns:yang:ietf-truststore">/ts:truststore/ts:certificates</xpath>
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<cid>1</cid>
</change-sub>
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</subscriptions>
</module>
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</module>
<module>
<name>ietf-ssh-server</name>
</module>
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<name>ietf-tls-server</name>
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<mode>read</mode>
</data-lock>
<subscriptions>
<change-sub>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<xpath xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:listen/ncs:idle-timeout</xpath>
<priority>0</priority>
<cid>1</cid>
</change-sub>
<change-sub>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<xpath xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:listen/ncs:endpoint/ncs:ssh</xpath>
<priority>0</priority>
<cid>1</cid>
</change-sub>
<change-sub>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
```

```
<xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:listen/ncs:endpoint/ncs:ssh/ncs:tcp-server-parameters</xpath
>
  <priority>0</priority>
  <cid>1</cid>
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<change-sub>
  <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
  <xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:listen/ncs:endpoint/ncs:ssh/ncs:ssh-server-parameters/ncs:ser
ver-identity/ncs:host-key/ncs:public-key/ncs:keystore-reference</xpath>
  <priority>0</priority>
  <cid>1</cid>
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<change-sub>
  <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
  <xpath
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ent-authentication/ncs:supported-authentication-methods</xpath>
  <priority>0</priority>
  <cid>1</cid>
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<change-sub>
  <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
  <xpath xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:listen/ncs:endpoint/ncs:tls</xpath>
  <priority>0</priority>
  <cid>1</cid>
</change-sub>
<change-sub>
  <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
  <xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:listen/ncs:endpoint/ncs:tls/ncs:tcp-server-parameters</xpath
>
  <priority>0</priority>
  <cid>1</cid>
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<change-sub>
  <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
  <xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:listen/ncs:endpoint/ncs:tls/ncs:tls-server-parameters/ncs:serv
er-identity/ncs:keystore-reference</xpath>
  <priority>0</priority>
  <cid>1</cid>
</change-sub>
<change-sub>
  <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
  <xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:listen/ncs:endpoint/ncs:tls/ncs:tls-server-parameters/ncs:clien
t-authentication</xpath>
```

```
<priority>0</priority>
<cid>1</cid>
</change-sub>
<change-sub>
  <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
</xpath>
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:listen/ncs:endpoint/ncs:tls/ncs:tls-server-parameters/ncs:client-authentication/ncs:cert-maps</xpath>
  <priority>0</priority>
  <cid>1</cid>
  </change-sub>
  <change-sub>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <xpath xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:call-home/ncs:netconf-client</xpath>
    <priority>0</priority>
    <cid>1</cid>
    </change-sub>
    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:call-home/ncs:netconf-client/ncs:connection-type</xpath>
        <priority>0</priority>
        <cid>1</cid>
        </change-sub>
        <change-sub>
          <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
          <xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:call-home/ncs:netconf-client/ncs:reconnect-strategy</xpath>
            <priority>0</priority>
            <cid>1</cid>
            </change-sub>
            <change-sub>
              <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
              <xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:call-home/ncs:netconf-client/ncs:endpoints/ncs:endpoint/ncs:ssh</xpath>
                <priority>0</priority>
                <cid>1</cid>
                </change-sub>
                <change-sub>
                  <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
                  <xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:call-home/ncs:netconf-client/ncs:endpoints/ncs:endpoint/ncs:ssh/ncs:tcp-client-parameters</xpath>
                    <priority>0</priority>
                    <cid>1</cid>
                    </change-sub>
                    <change-sub>
                      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
```

```
<xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server"/>/ncs:netconf-server/ncs:call-home/ncs:netconf-client/ncs:endpoints/ncs:endpoint/ncs:
ssh/ncs:ssh-server-parameters/ncs:server-identity/ncs:host-key/ncs:public-key/ncs:keystore-reference</xpath>
  <priority>0</priority>
  <cid>1</cid>
</change-sub>
<change-sub>
  <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
  <xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server"/>/ncs:netconf-server/ncs:call-home/ncs:netconf-client/ncs:endpoints/ncs:endpoint/ncs:
ssh/ncs:ssh-server-parameters/ncs:client-authentication/ncs:supported-authentication-methods</xpath>
    <priority>0</priority>
    <cid>1</cid>
  </change-sub>
  <change-sub>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server"/>/ncs:netconf-server/ncs:call-home/ncs:netconf-client/ncs:endpoints/ncs:endpoint/ncs:
tls</xpath>
      <priority>0</priority>
      <cid>1</cid>
    </change-sub>
    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server"/>/ncs:netconf-server/ncs:call-home/ncs:netconf-client/ncs:endpoints/ncs:endpoint/ncs:
tls/ncs:tcp-client-parameters</xpath>
        <priority>0</priority>
        <cid>1</cid>
      </change-sub>
      <change-sub>
        <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
        <xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server"/>/ncs:netconf-server/ncs:call-home/ncs:netconf-client/ncs:endpoints/ncs:endpoint/ncs:
tls/ncs:tls-server-parameters/ncs:server-identity/ncs:keystore-reference</xpath>
          <priority>0</priority>
          <cid>1</cid>
        </change-sub>
        <change-sub>
          <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
          <xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server"/>/ncs:netconf-server/ncs:call-home/ncs:netconf-client/ncs:endpoints/ncs:endpoint/ncs:
tls/ncs:tls-server-parameters/ncs:client-authentication</xpath>
            <priority>0</priority>
            <cid>1</cid>
          </change-sub>
          <change-sub>
            <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
            <xpath
```



```
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server"/>/ncs:netconf-server/ncs:call-home/ncs:netconf-client/ncs:endpoints/ncs:endpoint/ncs:
tls/ncs:tls-server-parameters/ncs:client-authentication/ncs:cert-maps</xpath>
```

```
<priority>0</priority>
```

```
<cid>1</cid>
```

```
</change-sub>
```

```
<operational-sub>
```

```
<xpath
```

```
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server"/>/ncs:netconf-server/ncs:listen/ncs:endpoint/ncs:ssh/ncs:ssh-server-parameters/ncs:cli
ent-authentication/ncs:users</xpath>
```

```
<cid>1</cid>
```

```
</operational-sub>
```

```
<notification-sub>1</notification-sub>
```

```
</subscriptions>
```

```
</module>
```

```
<module>
```

```
<name>vvdn_mcel-wdm</name>
```

```
<data-lock>
```

```
<cid>1</cid>
```

```
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
```

```
<mode>read</mode>
```

```
</data-lock>
```

```
<data-lock>
```

```
<cid>1</cid>
```

```
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
```

```
<mode>read</mode>
```

```
</data-lock>
```

```
</module>
```

```
<module>
```

```
<name>vvdn_mcel-opm</name>
```

```
<data-lock>
```

```
<cid>1</cid>
```

```
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
```

```
<mode>read</mode>
```

```
</data-lock>
```

```
<data-lock>
```

```
<cid>1</cid>
```

```
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
```

```
<mode>read</mode>
```

```
</data-lock>
```

```
</module>
```

```
<module>
```

```
<name>notification_history</name>
```

```
<data-lock>
```

```
<cid>1</cid>
```

```
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
```

```
<mode>read</mode>
```

```
</data-lock>
```

```
<data-lock>
```

```
<cid>1</cid>
```

```
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
<mode>read</mode>
</data-lock>
</module>
<module>
<name>iana-hardware</name>
</module>
<module>
<name>ietf-hardware</name>
<data-lock>
<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<mode>read</mode>
</data-lock>
<data-lock>
<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
<mode>read</mode>
</data-lock>
<subscriptions>
<change-sub>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<priority>0</priority>
<cid>3</cid>
</change-sub>
<operational-sub>
<xpath xmlns:hw="urn:ietf:params:xml:ns:yang:ietf-hardware">/hw:hardware</xpath>
<cid>3</cid>
</operational-sub>
<notification-sub>1</notification-sub>
</subscriptions>
</module>
<module>
<name>ietf-interfaces</name>
<data-lock>
<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<mode>read</mode>
</data-lock>
<data-lock>
<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
<mode>read</mode>
</data-lock>
<subscriptions>
<change-sub>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<priority>0</priority>
<cid>3</cid>
```

```
</change-sub>
<operational-sub>
  <xpath xmlns:if="urn:ietf:params:xml:ns:yang:ietf-interfaces">/if:interfaces</xpath>
  <cid>3</cid>
</operational-sub>
<operational-sub>
  <xpath xmlns:if="urn:ietf:params:xml:ns:yang:ietf-interfaces">/if:interfaces-state</xpath>
  <cid>3</cid>
</operational-sub>
</subscriptions>
</module>
<module>
  <name>iana-if-type</name>
</module>
<module>
  <name>ietf-dhcpv6-types</name>
</module>
<module>
  <name>ietf-ip</name>
</module>
<module>
  <name>o-ran-dhcp</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
  <subscriptions>
    <operational-sub>
      <xpath xmlns:o-ran-dhcp="urn:o-ran:dhcp:1.0">/o-ran-dhcp:dhcp/o-ran-dhcp:interfaces</xpath>
      <cid>3</cid>
    </operational-sub>
  </subscriptions>
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<module>
  <name>o-ran-interfaces</name>
</module>
<module>
  <name>o-ran-mplane-int</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
```

```

<data-lock>
<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
<mode>read</mode>
</data-lock>
<subscriptions>
<change-sub>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<xpath
xmlns:o-ran-mplane-int="urn:o-ran:mplane-interfaces:1.0"/>o-ran-mplane-int:mplane-info/o-ran-mplane-int:searchable-mplane-access-vlans-info<
/xpath>
<priority>0</priority>
<cid>3</cid>
</change-sub>
<change-sub>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<xpath xmlns:o-ran-mplane-int="urn:o-ran:mplane-interfaces:1.0"/>o-ran-mplane-int:mplane-info/o-ran-mplane-int:m-plane-interfaces</xpath>
<priority>0</priority>
<cid>3</cid>
</change-sub>
<change-sub>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<xpath
xmlns:o-ran-mplane-int="urn:o-ran:mplane-interfaces:1.0"/>o-ran-mplane-int:mplane-info/o-ran-mplane-int:configured-client-info</xpath>
<priority>0</priority>
<cid>3</cid>
</change-sub>
<operational-sub>
<xpath xmlns:o-ran-mplane-int="urn:o-ran:mplane-interfaces:1.0"/>o-ran-mplane-int:mplane-info/o-ran-mplane-int:m-plane-interfaces</xpath>
<cid>3</cid>
</operational-sub>
</subscriptions>
</module>
<module>
<name>o-ran-transceiver</name>
<data-lock>
<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<mode>read</mode>
</data-lock>
<data-lock>
<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
<mode>read</mode>
</data-lock>
<subscriptions>
<operational-sub>
<xpath xmlns:o-ran-transceiver="urn:o-ran:transceiver:1.0"/>o-ran-transceiver:port-transceivers</xpath>
<cid>3</cid>

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    </operational-sub>
  </subscriptions>
</module>
<module>
  <name>o-ran-processing-element</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
  <subscriptions>
    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <xpath
xmlns:o-ran-elements="urn:o-ran:processing-element:1.0">/o-ran-elements:processing-elements/o-ran-elements:transport-session-type</xpath>
      <priority>0</priority>
      <cid>8</cid>
    </change-sub>
    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <xpath xmlns:o-ran-elements="urn:o-ran:processing-element:1.0">/o-ran-elements:processing-elements/o-ran-elements:ru-elements</xpath>
      <priority>0</priority>
      <cid>8</cid>
    </change-sub>
    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <xpath
xmlns:o-ran-elements="urn:o-ran:processing-element:1.0">/o-ran-elements:processing-elements/o-ran-elements:enhanced-uplane-mapping</xpath>
      <priority>0</priority>
      <cid>8</cid>
    </change-sub>
    <operational-sub>
      <xpath xmlns:o-ran-elements="urn:o-ran:processing-element:1.0">/o-ran-elements:processing-elements</xpath>
      <cid>8</cid>
    </operational-sub>
  </subscriptions>
</module>
<module>
  <name>o-ran-ald-port</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>

```

```
</data-lock>
<data-lock>
  <cid>1</cid>
  <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
  <mode>read</mode>
</data-lock>
<subscriptions>
  <operational-sub>
    <xpath xmlns:o-ran-ald-port="urn:o-ran:ald-port:1.0">/o-ran-ald-port:ald-ports-io</xpath>
    <cid>12</cid>
  </operational-sub>
  <notification-sub>1</notification-sub>
</subscriptions>
</module>
<module>
  <name>o-ran-supervision</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
  <subscriptions>
    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <xpath xmlns:o-ran-supervision="urn:o-ran:supervision:1.0">/o-ran-supervision:supervision</xpath>
      <priority>0</priority>
      <cid>10</cid>
    </change-sub>
    <notification-sub>1</notification-sub>
  </subscriptions>
</module>
<module>
  <name>o-ran-hardware</name>
</module>
<module>
  <name>o-ran-fm</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
```

```
<mode>read</mode>
</data-lock>
<subscriptions>
  <operational-sub>
    <xpath xmlns:o-ran-fm="urn:o-ran-fm:1.0">/o-ran-fm:active-alarm-list/o-ran-fm:active-alarms</xpath>
    <cid>4</cid>
  </operational-sub>
  <notification-sub>1</notification-sub>
</subscriptions>
</module>
<module>
  <name>o-ran-usermgmt</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
  <subscriptions>
    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <xpath xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users</xpath>
      <priority>0</priority>
      <cid>5</cid>
    </change-sub>
  </subscriptions>
</module>
<module>
  <name>o-ran-sync</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
  <subscriptions>
    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <priority>0</priority>
      <cid>7</cid>
    </change-sub>
```

```
<operational-sub>
  <xpath xmlns:o-ran-sync="urn:o-ran:sync:1.0">/o-ran-sync:sync</xpath>
  <cid>7</cid>
</operational-sub>
<notification-sub>1</notification-sub>
</subscriptions>
</module>
<module>
  <name>o-ran-compression-factors</name>
</module>
<module>
  <name>o-ran-module-cap</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
  <subscriptions>
    <operational-sub>
      <xpath xmlns:o-ran-module-cap="urn:o-ran:module-cap:1.0">/o-ran-module-cap:module-capability</xpath>
      <cid>14</cid>
    </operational-sub>
  </subscriptions>
</module>
<module>
  <name>o-ran-delay-management</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
  <subscriptions>
    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <xpath xmlns:o-ran-delay="urn:o-ran:delay:1.0">/o-ran-delay:delay-management</xpath>
      <priority>0</priority>
      <cid>14</cid>
    </change-sub>
  </subscriptions>
</module>
```



```
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<xpath xmlns:o-ran-delay="urn:o-ran:delay:1.0"/>o-ran-delay:delay-management/o-ran-delay:adaptive-delay-configuration</xpath>
<priority>0</priority>
<cid>14</cid>
</change-sub>
<operational-sub>
<xpath xmlns:o-ran-delay="urn:o-ran:delay:1.0"/>o-ran-delay:delay-management</xpath>
<cid>14</cid>
</operational-sub>
</subscriptions>
</module>
<module>
<name>o-ran-operations</name>
<data-lock>
<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<mode>read</mode>
</data-lock>
<data-lock>
<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
<mode>read</mode>
</data-lock>
<subscriptions>
<change-sub>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<priority>0</priority>
<cid>8</cid>
</change-sub>
<operational-sub>
<xpath xmlns:o-ran-ops="urn:o-ran:operations:1.0"/>o-ran-ops:operational-info</xpath>
<cid>8</cid>
</operational-sub>
</subscriptions>
</module>
<module>
<name>o-ran-uplane-conf</name>
<data-lock>
<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<mode>read</mode>
</data-lock>
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<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
<mode>read</mode>
</data-lock>
<subscriptions>
<change-sub>
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    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:low-level-tx-links</xpath>
    <priority>0</priority>
    <cid>8</cid>
  </change-sub>
<change-sub>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:low-level-rx-links</xpath>
    <priority>0</priority>
    <cid>8</cid>
  </change-sub>
<change-sub>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:low-level-tx-endpoints</xpath>
    <priority>0</priority>
    <cid>8</cid>
  </change-sub>
<change-sub>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:low-level-rx-endpoints</xpath>
    <priority>0</priority>
    <cid>8</cid>
  </change-sub>
<change-sub>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:tx-array-carriers</xpath>
    <priority>0</priority>
    <cid>8</cid>
  </change-sub>
<change-sub>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:rx-array-carriers</xpath>
    <priority>0</priority>
    <cid>8</cid>
  </change-sub>
<operational-sub>
    <xpath xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:tx-arrays</xpath>
    <cid>8</cid>
  </operational-sub>
<operational-sub>
    <xpath xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:rx-arrays</xpath>

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<cid>8</cid>
</operational-sub>
<operational-sub>
  <xpath xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:relations</xpath>
  <cid>8</cid>
</operational-sub>
<operational-sub>
  <xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:endpoint-types</xpath>
  <cid>8</cid>
</operational-sub>
<operational-sub>
  <xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:tx-array-carriers</xpath>
  <cid>8</cid>
</operational-sub>
<operational-sub>
  <xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:rx-array-carriers</xpath>
  <cid>8</cid>
</operational-sub>
<operational-sub>
  <xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:static-low-level-tx-endpoints
</xpath>
  <cid>8</cid>
</operational-sub>
<operational-sub>
  <xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:static-low-level-rx-endpoint
s</xpath>
  <cid>8</cid>
</operational-sub>
<operational-sub>
  <xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:static-low-level-rx-endpoint
s</xpath>
  <cid>8</cid>
</operational-sub>
<operational-sub>
  <xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:endpoint-capacity-sharing-g
roups</xpath>
  <cid>8</cid>
</operational-sub>
<notification-sub>1</notification-sub>
</subscriptions>
</module>
<module>
  <name>o-ran-file-management</name>
  <subscriptions>
    <notification-sub>1</notification-sub>
  </subscriptions>
</module>
<module>
```

```
<name>o-ran-software-management</name>
<data-lock>
  <cid>1</cid>
  <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
  <mode>read</mode>
</data-lock>
<data-lock>
  <cid>1</cid>
  <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
  <mode>read</mode>
</data-lock>
<subscriptions>
  <operational-sub>
    <xpath xmlns:o-ran-swm="urn:o-ran:software-management:1.0">/o-ran-swm:software-inventory</xpath>
    <cid>6</cid>
  </operational-sub>
  <notification-sub>1</notification-sub>
</subscriptions>
</module>
<module>
  <name>o-ran-performance-management</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
  <subscriptions>
    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <xpath xmlns:o-ran-pm="urn:o-ran:performance-management:1.0">/o-ran-pm:performance-measurement-objects</xpath>
      <priority>0</priority>
      <cid>11</cid>
    </change-sub>
    <operational-sub>
      <xpath xmlns:o-ran-pm="urn:o-ran:performance-management:1.0">/o-ran-pm:performance-measurement-objects</xpath>
      <cid>11</cid>
    </operational-sub>
    <notification-sub>1</notification-sub>
  </subscriptions>
</module>
<module>
  <name>o-ran-ald</name>
</module>
</module>
```

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<name>o-ran-trace</name>
<subscriptions>
  <notification-sub>1</notification-sub>
</subscriptions>
</module>
<module>
  <name>o-ran-troubleshooting</name>
  <subscriptions>
    <notification-sub>1</notification-sub>
  </subscriptions>
</module>
<rpc>
  <path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:get-config</path>
  <rpc-sub>
    <xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:get-config</xpath>
    <priority>0</priority>
    <cid>1</cid>
  </rpc-sub>
</rpc>
<rpc>
  <path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:edit-config</path>
  <rpc-sub>
    <xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:edit-config</xpath>
    <priority>0</priority>
    <cid>1</cid>
  </rpc-sub>
</rpc>
<rpc>
  <path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:copy-config</path>
  <rpc-sub>
    <xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:copy-config</xpath>
    <priority>0</priority>
    <cid>1</cid>
  </rpc-sub>
</rpc>
<rpc>
  <path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:delete-config</path>
  <rpc-sub>
    <xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:delete-config</xpath>
    <priority>0</priority>
    <cid>1</cid>
  </rpc-sub>
</rpc>
<rpc>
  <path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:lock</path>
  <rpc-sub>
    <xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:lock</xpath>
    <priority>0</priority>
    <cid>1</cid>
```

```
</rpc-sub>
</rpc>
<rpc>
  <path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"/>nc:unlock</path>
  <rpc-sub>
    <xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"/>nc:unlock</xpath>
    <priority>0</priority>
    <cid>1</cid>
  </rpc-sub>
</rpc>
<rpc>
  <path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"/>nc:get</path>
  <sub-lock>
    <cid>1</cid>
    <mode>read</mode>
  </sub-lock>
  <rpc-sub>
    <xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"/>nc:get</xpath>
    <priority>0</priority>
    <cid>1</cid>
  </rpc-sub>
</rpc>
<rpc>
  <path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"/>nc:kill-session</path>
  <rpc-sub>
    <xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"/>nc:kill-session</xpath>
    <priority>0</priority>
    <cid>1</cid>
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</rpc>
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  <path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"/>nc:commit</path>
  <rpc-sub>
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    <cid>1</cid>
  </rpc-sub>
</rpc>
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  <path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"/>nc:discard-changes</path>
  <rpc-sub>
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    <cid>1</cid>
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<rpc>
  <path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"/>nc:validate</path>
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<xpath xmlns:o-ran-ops="urn:o-ran:operations:1.0"/>o-ran-ops:reset</xpath>
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</rpc>
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    <capability>urn:ietf:params:netconf:base:1.1</capability>
    <capability>urn:ietf:params:netconf:capability:writable-running:1.0</capability>
    <capability>urn:ietf:params:netconf:capability:candidate:1.0</capability>
    <capability>urn:ietf:params:netconf:capability:rollback-on-error:1.0</capability>
    <capability>urn:ietf:params:netconf:capability:validate:1.1</capability>
    <capability>urn:ietf:params:netconf:capability:startup:1.0</capability>
    <capability>urn:ietf:params:netconf:capability:xpath:1.0</capability>
    <capability>urn:ietf:params:netconf:capability:with-defaults:1.0?basic-mode=explicit&also-supported=report-all,report-all-tagged,trim,explicit</capability>
    <capability>urn:ietf:params:netconf:capability:notification:1.0</capability>
    <capability>urn:ietf:params:netconf:capability:interleave:1.0</capability>
    <capability>urn:ietf:params:xml:ns:yang:ietf-yang-metadata?module=ietf-yang-metadata&revision=2016-08-05</capability>
    <capability>urn:ietf:params:xml:ns:yang:1?module=yang&revision=2017-02-20</capability>
    <capability>urn:ietf:params:xml:ns:yang:ietf-inet-types?module=ietf-inet-types&revision=2013-07-15</capability>
    <capability>urn:ietf:params:xml:ns:yang:ietf-yang-types?module=ietf-yang-types&revision=2013-07-15</capability>
    <capability>urn:ietf:params:netconf:capability:yang-library:1.1?revision=2019-01-04&content-id=63</capability>
    <capability>urn:sysrepo:plugind?module=sysrepo-plugind&revision=2020-12-10</capability>
    <capability>urn:ietf:params:xml:ns:yang:ietf-netconf-acm?module=ietf-netconf-acm&revision=2018-02-14</capability>
    <capability>urn:ietf:params:xml:ns:netconf:base:1.0?module=ietf-netconf&revision=2013-09-29&features=writable-running,candidate,rollback-on-error,validate,startup,url,xpath</capability>
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    <capability>urn:ietf:params:xml:ns:yang:iana-crypt-hash?module=iana-crypt-hash&revision=2014-08-06</capability>
    <capability>urn:notification_history?module=notification_history</capability>
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    <version>2016-08-05</version>
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<version>2022-05-03</version>
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<version/>
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</schema>
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<identifier>o-ran-dhcp</identifier>
<version>2019-07-03</version>
<format>yang</format>
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<location>NETCONF</location>
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<schema>
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<identifier>o-ran-ald-port</identifier>
<version>2019-07-03</version>
<format>yang</format>
<namespace>urn:o-ran:ald-port:1.0</namespace>
<location>NETCONF</location>
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<location>NETCONF</location>
</schema>
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<version>2019-02-04</version>
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<location>NETCONF</location>
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<format>yang</format>
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<location>NETCONF</location>
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<identifier>o-ran-troubleshooting</identifier>
<version>2019-02-04</version>
<format>yang</format>
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<location>NETCONF</location>
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<version>2019-02-04</version>
<format>yin</format>
<namespace>urn:o-ran:troubleshooting:1.0</namespace>
<location>NETCONF</location>
</schema>
</schemas>
<sessions>
<session>
<session-id>2</session-id>
<transport>netconf-ssh</transport>
<username>root</username>
<source-host>192.168.49.88</source-host>
<login-time>2103-10-30T00:02:52Z</login-time>
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<in-bad-rpcs>0</in-bad-rpcs>
<out-rpc-errors>0</out-rpc-errors>
<out-notifications>0</out-notifications>
</session>
</sessions>
<statistics>
<netconf-start-time>2103-10-30T00:02:15Z</netconf-start-time>
<in-bad-hellos>0</in-bad-hellos>
<in-sessions>2</in-sessions>
<dropped-sessions>0</dropped-sessions>
<in-rpcs>6</in-rpcs>
<in-bad-rpcs>0</in-bad-rpcs>
<out-rpc-errors>0</out-rpc-errors>
<out-notifications>0</out-notifications>
</statistics>
</netconf-state>
<netconf xmlns="urn:ietf:params:xml:ns:netmod:notification">
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<description>Default NETCONF stream containing notifications from all the modules. Replays only notifications for modules that support
replay.</description>
<replaySupport>true</replaySupport>
</stream>
<stream>
<name>yang</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>false</replaySupport>
</stream>
<stream>
<name>ietf-datastores</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>false</replaySupport>
</stream>
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<name>ietf-yang-library</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>false</replaySupport>
</stream>
<stream>
<name>sysrepo-monitoring</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>false</replaySupport>
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</stream>
<stream>
  <name>ietf-netconf-with-defaults</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>>false</replaySupport>
</stream>
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  <name>ietf-netconf-notifications</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>>false</replaySupport>
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  <name>ietf-origin</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>>false</replaySupport>
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  <description>Stream with all notifications of a module.</description>
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  <description>Stream with all notifications of a module.</description>
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  <name>ietf-x509-cert-to-name</name>
  <description>Stream with all notifications of a module.</description>
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</stream>
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  <description>Stream with all notifications of a module.</description>
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  <name>ietf-truststore</name>
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  <description>Stream with all notifications of a module.</description>
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  <name>ietf-netconf-server</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>>false</replaySupport>
</stream>
<stream>
  <name>vvdn_mcel-wdm</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>>false</replaySupport>
</stream>
<stream>
  <name>vvdn_mcel-opm</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>>false</replaySupport>
</stream>
<stream>
  <name>notification_history</name>
```



```
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>iana-hardware</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>ietf-hardware</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>ietf-interfaces</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>iana-if-type</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>ietf-dhcpv6-types</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>ietf-ip</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-dhcp</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-interfaces</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-mpplane-int</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
```

```
<name>o-ran-transceiver</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-processing-element</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-ald-port</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-supervision</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-hardware</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-fm</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-usermgmt</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-sync</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-compression-factors</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-module-cap</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
```

```
<stream>
<name>o-ran-delay-management</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-operations</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-uplane-conf</name>
<description>Stream with all notifications of a module.</description>
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</stream>
<stream>
<name>o-ran-file-management</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-software-management</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-performance-management</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-ald</name>
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<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-trace</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-troubleshooting</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
</streams>
</netconf>
<interfaces-state xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces">
<interface>
```

```
<name>lo</name>
<oper-status>up</oper-status>
<phys-address>00:00:00:00:00:00</phys-address>
<statistics>
  <in-octets>1408</in-octets>
  <in-discards>0</in-discards>
  <in-errors>0</in-errors>
  <out-octets>1408</out-octets>
  <out-errors>0</out-errors>
  <out-discards>0</out-discards>
</statistics>
</interface>
<interface>
  <name>eth0</name>
  <oper-status>up</oper-status>
  <phys-address>98:ae:71:00:8a:c1</phys-address>
  <statistics>
    <in-octets>0</in-octets>
    <in-discards>0</in-discards>
    <in-errors>0</in-errors>
    <out-octets>0</out-octets>
    <out-errors>0</out-errors>
    <out-discards>0</out-discards>
  </statistics>
</interface>
<interface>
  <name>eth1</name>
  <oper-status>up</oper-status>
  <phys-address>98:ae:71:00:8a:c2</phys-address>
  <statistics>
    <in-octets>22054</in-octets>
    <in-discards>0</in-discards>
    <in-errors>0</in-errors>
    <out-octets>41971</out-octets>
    <out-errors>0</out-errors>
    <out-discards>0</out-discards>
  </statistics>
</interface>
<interface>
  <name>eth1.428</name>
  <oper-status>up</oper-status>
  <phys-address>98:ae:71:00:8a:c2</phys-address>
  <statistics>
    <in-octets>0</in-octets>
    <in-discards>0</in-discards>
    <in-errors>0</in-errors>
    <out-octets>1860</out-octets>
    <out-errors>0</out-errors>
    <out-discards>0</out-discards>
```

```
</statistics>
</interface>
<interface>
  <name>eth1.490</name>
  <oper-status>up</oper-status>
  <phys-address>98:ae:71:00:8a:c2</phys-address>
  <statistics>
    <in-octets>19696</in-octets>
    <in-discards>0</in-discards>
    <in-errors>0</in-errors>
    <out-octets>37536</out-octets>
    <out-errors>0</out-errors>
    <out-discards>0</out-discards>
  </statistics>
</interface>
</interfaces-state>
<dhcp xmlns="urn:o-ran:dhcp:1.0">
  <interfaces>
    <interface>eth1.490</interface>
    <dhcpv4>
      <dhcp-server-identifier>192.168.49.88</dhcp-server-identifier>
      <domain-name>vvdntech.com</domain-name>
      <domain-name-servers>192.168.49.88</domain-name-servers>
      <interface-mtu>1500</interface-mtu>
      <default-gateways>192.168.49.88</default-gateways>
      <netconf-clients>
        <client>192.168.49.88</client>
      </netconf-clients>
    </dhcpv4>
  </interfaces>
</dhcp>
<software-inventory xmlns="urn:o-ran:software-management:1.0">
  <software-slot>
    <name>swSlot1</name>
    <status>VALID</status>
    <active>false</active>
    <running>false</running>
    <access>READ_WRITE</access>
    <product-code>STL=O-RU</product-code>
    <vendor-code>VN</vendor-code>
    <build-id>factory_img</build-id>
    <build-name>Beta Release</build-name>
    <build-version>1.0.0</build-version>
    <files>
      <name>boot</name>
      <version>1.0.0</version>
      <local-path>/media/sd-mmcb1k0p1/BOOT0001.BIN</local-path>
      <integrity>OK</integrity>
    </files>
```

```
<files>
<name>kernel</name>
<version>1.0.0</version>
<local-path>/media/sd-mmcbk0p1/image0001.ub</local-path>
<integrity>OK</integrity>
</files>
<files>
<name>rootfs</name>
<version>1.0.0</version>
<local-path>/media/sd-mmcbk0p2/</local-path>
<integrity>OK</integrity>
</files>
</software-slot>
<software-slot>
<name>swSlot2</name>
<status>VALID</status>
<active>true</active>
<running>true</running>
<access>READ_WRITE</access>
<product-code>STL=O-RU</product-code>
<vendor-code>VN</vendor-code>
<build-id>abaa284</build-id>
<build-name>Beta Release</build-name>
<build-version>1.0.1</build-version>
<files>
<name>boot</name>
<version>1.0.0</version>
<local-path>/media/sd-mmcbk0p1/BOOT0002.BIN</local-path>
<integrity>OK</integrity>
</files>
<files>
<name>kernel</name>
<version>1.0.0</version>
<local-path>/media/sd-mmcbk0p1/image0002.ub</local-path>
<integrity>OK</integrity>
</files>
<files>
<name>rootfs</name>
<version>1.0.0</version>
<local-path>/media/sd-mmcbk0p3/</local-path>
<integrity>OK</integrity>
</files>
</software-slot>
<software-slot>
<name>swRecoverySlot</name>
<status>VALID</status>
<active>false</active>
<running>false</running>
<access>READ_ONLY</access>
```

```
<product-code>STL=O-RU</product-code>
<vendor-code>VN</vendor-code>
<build-id>factory_img</build-id>
<build-name>Beta Release</build-name>
<build-version>1.0.0</build-version>
<files>
  <name>boot</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcb1k0p1/BOOT0003.BIN</local-path>
  <integrity>OK</integrity>
</files>
<files>
  <name>kernel</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcb1k0p1/golden.ub</local-path>
  <integrity>OK</integrity>
</files>
<files>
  <name>rootfs</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcb1k0p1/golden.ub</local-path>
  <integrity>OK</integrity>
</files>
</software-slot>
</software-inventory>
</data>
```

=====

SYSTEM LOGS

=====

Expected Result : The O-RU NETCONF Server responds with <rpc-reply><data> where <data> contains all information elements that the O-RU NETCONF Server is able to expose

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

=====
Retrieval without Filter Applied = SUCCESS
=====