@ 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 **********

===

> connect --ssh --host 192.168.49.43 --port 830 --login root

    Interactive SSH Authentication

    Type your password:

    Password:

    > status

    Current NETCONF session:

    ID   : 1

    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,valid
ate,startup,url,xpath urn:ietf:params:xml:ns:yang:ietf-netconf-with-defaults?module=ietf-netconf-with-defaults&revision=2011-06-01
urn:ietf:params:xml:ns:yang:ietf-netconf-notifications?module=ietf-netconf-notifications&revision=2012-02-06
urn:ietf:params:xml:ns:yang:ietf-netconf-monitoring?module=ietf-netconf-monitoring&revision=2010-10-04
urn:ietf:params:xml:ns:netconf:notification:1.0?module=notifications&revision=2008-07-14
urn:ietf:params:xml:ns:netmod:notification?module=nc-notifications&revision=2008-07-14
urn:ietf:params:xml:ns:yang:ietf-x509-cert-to-name?module=ietf-x509-cert-to-name&revision=2014-12-10
urn:ietf:params:xml:ns:yang:iana-crypt-hash?module=iana-crypt-hash&revision=2014-08-06 urn:notification_history?module=notification_history
urn:ietf:params:xml:ns:yang:iana-if-type?module=iana-if-type&revision=2017-01-19

===

> subscribe

===

Ok

===

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

===
> get
===

===
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
===

<?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+lVk09klrZ2O9zRpW6QQX3q3gLiRhUAzN/khkT6Bn4BdzvPqecdFfMBthMf6gxSUUdXbM
wZ2ZfIjjUuC4StmvNOWYsbb8VDbHH56THkatCGaBQkW71X5piHInYZg9EpUQiAtNzwYztjmyEA3J7niapYcHfthvL7KNL7rWBv+Z6HdsW
Y/jLzpBB89DkuaLatGo3MmTonXAv3CcbWvmPt/7uxIU/a431yqlcpnzBFhEaIvvGoI8EuTg9x0h70H2wwIDAQAB</public-key>

   <private-key>MIIEvgIBADANBgkqhkiG9w0BAQEFAASCBKgwggSkAgEAAoIBAQDNhGM9i+7HTdUD9miR7FbbIn/1mGNtQBeIhTBwd/
lhnIuzVWzO9qHEBJbRfhS0PtSeZW20Ha3z/NaqvdAzkSpoTj6VWTT2SWtnY73NGlbpBBfereAuJGFQDM3+SGRPoGfgF3O8+p5x0V8wG2Ex/
qDFJRR1dszBnZl8iONS4LhK2a805ZixtvxUNscfnpMeRq0IZoFCRbvVfmmIcidhmD0SlRCIC03PBjO2ObIQDcnueJqlhwd+2G8vso0vutYG/5nod
2xZj+MvOkEHz0OS5otq0ajcyZOidcC/cJxta+Y+3/u7EhT9rjfXKqVymfMEWERoi+8agjwS5OD3HSHvQfbDAgMBAAECggEAB4XkGBmqOP
N5a7a2ZzkOiOD/bB8S7Kne8qlld4h8wXz4hC0JWZ4fl8xPNQX3fg2avN2boW9AseC8fu2J1Ilo0v6iPddRH/7aBqPZC8v+CHOU6BrXTPkZ8tM1
Kyy9N0j45HQXUYCfEi2G3XzzFuBqRC0yTYZ2wlOhjbR5FcySEnNKryu6NljdMQsomLQJ/zA1yHBEAx7YVi9GrJzBAFENLGqIH7M7wMn4
MLCr5OOdoVhdd45BiF5VswP+y67EWhZcF5vi9S/8AxS+GSeGv/hoLB+1KCyXk9vXbshVyOW2zEVUghJ1T4RXf7uW7unxNnzCbuePNVTvA
1uV38A8FMmliQKBgQDuvozJdu/SdJAnnR65x3aTL/OpChtmYY6qi2+bLn8MLA+hbzKbJcwhqpYxb1CGFSfQssBCRUaX6wVfB3C0e2Sved2C
BXdYMZzRbeEdgiIhal2BP2/tW5gazz2d27hCsiU7pyZatnWI6FAV3IOSBU97cAmhfBfZAqJTmguuZaWvtQKBgQDcXwo6rgSSWotzPUhkJWIx
ChBoqkE6WFbzZTiVsHp1kpIugxe3P0rTjI98MWKcowAHUNGJ7v4lPJlaKB9xYXwp7bJKrkXftluuyQepsau/oljp122GNyJyHeV2KuK7Im55tla3
05Vp4gn57G4U+NkX+QsYRl0eNChiHBHKE+/nlwKBgBkqRLTHsKfCWZ+TVDXI7Jq/JzPeON0l01/uqqj00bd6vXsKuY7ZARdbX9F+JkK74C
KDdPiHTNWelEZcBmk/yHEmq06VPOsy75CzwFLX8LkM+SYyhZ3DVdkdlyUYj+eX14zeJZDSQrlXo3lqcQPnQ2WDfcBj0C+zs2CUkD6lwD0
xAoGBANVR6sUCzsodfAABwqGuzm5KH7gxlxKzkPfrc+ry+pf1WixMGhj426YM2piN9bdK0ixCv5OWFc5V6tyrGkTW6SptPbmtGVaFYBrB3
vkVU/wdW5SBRTQ3CtEMv6KzwOcFXYvURf2Mg4YLmTyk8aq7eOsL2QGWm20xcCYIpe/HfOPhAoGBALvMEDLK0se5Qxesj1YgE+b6U3
M+Wwh9JeFU1j/sEVJ3h7fCY7iWQA1GIrBUEITltiKkZSgSSgF+arASMeBdaR2+R+3Ims5MDWmvnZjAiGSXhIWjTEPe/Wsoejtnckjj X0yhPPi
NBKsT2n5wHAcdzf6ZlvdcpGkzM4IdQkxZfjbQ</private-key>

  </asymmetric-key>
  </asymmetric-keys>
 </keystore>
 <users xmlns="urn:o-ran:user-mgmt:1.0">
 <user>
  <name>oranuser</name>
  <account-type>PASSWORD</account-type>
  <password>oranuser</password>
  <enabled>true</enabled>

```xml
    </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>yo7)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+XkOgXvIYxh%QxBQsA7EYqB</password>
     <enabled>true</enabled>
```

```
  </user>
  <user>
   <name>operator86938204120707827368</name>
   <account-type>PASSWORD</account-type>
   <password>s8icesF.Hl~%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^MxSq4Gke1nCkSCW+1)1z%2}kOtLnjiWbj]EY7QUk%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>
```

```xml
      <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>
```

```xml
    <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>
```

```xml
  <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>
```

```xml
    </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/>
<passsword/>
<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/>
        <passsword/>
        <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">
```

```xml
<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>
<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>
  <usage-state>busy</usage-state>
  <availability-state xmlns="urn:o-ran:hardware:1.0">FAULTY</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>busy</usage-state>
 <availability-state xmlns="urn:o-ran:hardware:1.0">FAULTY</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>busy</usage-state>
      <availability-state xmlns="urn:o-ran:hardware:1.0">FAULTY</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>
<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>31588</in-octets>
 <in-discards>0</in-discards>
 <in-errors>0</in-errors>
 <out-octets>49790</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>
```

```xml
 <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>
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 </ipv4>
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 <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">
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 <in-discards>0</in-discards>
 <in-errors>0</in-errors>
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 <out-discards>0</out-discards>
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 <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">
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   <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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   </accepted-clock-classes>
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   <g-8275-1-config>
    <multicast-mac-address>FORWARDABLE</multicast-mac-address>
    <delay-asymmetry>0</delay-asymmetry>
   </g-8275-1-config>
  </ptp-config>
  <ptp-status>
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   <clock-class>255</clock-class>
   <clock-identity>0x98AE71FFFE008AC2</clock-identity>
   <partial-timing-supported>false</partial-timing-supported>
   <sources>
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    <state>DISABLED</state>
    <two-step-flag>true</two-step-flag>
    <leap61>false</leap61>
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```xml
    <leap59>false</leap59>
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    <ptp-timescale>true</ptp-timescale>
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    <frequency-traceable>false</frequency-traceable>
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    <source-port-number>0</source-port-number>
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    <clock-class>255</clock-class>
    <clock-accuracy>254</clock-accuracy>
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    <priority2>255</priority2>
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   <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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   <supported-reference-types>
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   </supported-reference-types>
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  </sync-capability>
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  <exponent>4</exponent>
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<re-call-home-no-ssh-timer>60</re-call-home-no-ssh-timer>
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  <protocol-version>1.0</protocol-version>
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 <rx-array-name>sllrx-endpoint2</rx-array-name>
</array2>
<types/>
<types>
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 <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>
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</array2>
<types/>
<types>
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 <pairs>
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  <element-array2>3</element-array2>
 </pairs>
</types>
</relations>
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</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>
```

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<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>
 <array>slltx-endpoint0</array>
 <endpoint-type>1</endpoint-type>
 <capacity-sharing-groups>1</capacity-sharing-groups>
</static-low-level-tx-endpoints>
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 <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>
</static-low-level-tx-endpoints>
<static-low-level-tx-endpoints>
 <name>slltx-endpoint3</name>
 <array>slltx-endpoint3</array>
 <endpoint-type>1</endpoint-type>
 <capacity-sharing-groups>1</capacity-sharing-groups>
</static-low-level-tx-endpoints>
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 <name>sllrx-endpoint0</name>
 <array>sllrx-endpoint0</array>
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 <capacity-sharing-groups>1</capacity-sharing-groups>
</static-low-level-rx-endpoints>
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 <name>sllrx-endpoint1</name>
 <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>
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 <capacity-sharing-groups>1</capacity-sharing-groups>
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<static-low-level-rx-endpoints>
 <name>sllrx-endpoint3</name>
 <array>sllrx-endpoint3</array>
 <endpoint-type>1</endpoint-type>
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 <capacity-sharing-groups>1</capacity-sharing-groups>
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<endpoint-capacity-sharing-groups/>
<endpoint-capacity-sharing-groups>
 <id>1</id>
 <max-managed-delay-endpoints>4</max-managed-delay-endpoints>
 <max-non-managed-delay-endpoints>0</max-non-managed-delay-endpoints>
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 <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>
<history xmlns="urn:notification_history">
 <module-notification>
  <module-name>Module or antenna line</module-name>
  <notif-error>Synchronization Error</notif-error>
  <alert>critical</alert>
  <epochtime>4223145800</epochtime>
 </module-notification>
</history>
<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>
```

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  <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>
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 <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>
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 <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>
 <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>
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```
<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>
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```xml
      <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>
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 <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>
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 <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>
```

```xml
<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>
```

```xml
 <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>
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 <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-plugind</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>
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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>
    <operational-sub>
     <xpath xmlns:o-ran-transceiver="urn:o-ran:transceiver:1.0">o-ran-transceiver:port-transceivers</xpath>
     <cid>3</cid>
    </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>
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</change-sub>
<operational-sub>
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</operational-sub>
</subscriptions>
</module>
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<cid>1</cid>
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<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>
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</subscriptions>
</module>
<module>
<name>o-ran-supervision</name>
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</data-lock>
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</subscriptions>
</module>
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<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>
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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: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>
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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>
   <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>
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<module>
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 <data-lock>
  <cid>1</cid>
  <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
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  <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>
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   <cid>7</cid>
  </change-sub>
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   <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>
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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: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>
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<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>
 <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/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>
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 <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>
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   <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>
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<name>o-ran-uplane-conf</name>
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 <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
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</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-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>
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<change-sub>
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 <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>
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</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>
 <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-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:endpoint-capacity-sharing-g
```

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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>
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  <cid>11</cid>
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  <xpath xmlns:o-ran-pm="urn:o-ran:performance-management:1.0">o-ran-pm:performance-measurement-objects</xpath>
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 </subscriptions>
</module>
<module>
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</module>
<module>
 <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>
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 <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>

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<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>
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<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>
</rpc-sub>
</rpc>
<rpc>
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<rpc-sub>
 <xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:commit</xpath>
 <priority>0</priority>
 <cid>1</cid>
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    </rpc-sub>
  </rpc>
  <rpc>
    <path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:discard-changes</path>
    <rpc-sub>
      <xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:discard-changes</xpath>
      <priority>0</priority>
      <cid>1</cid>
    </rpc-sub>
  </rpc>
  <rpc>
    <path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:validate</path>
    <rpc-sub>
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      <priority>0</priority>
      <cid>1</cid>
    </rpc-sub>
  </rpc>
  <rpc>
    <path xmlns:ncds="urn:ietf:params:xml:ns:yang:ietf-netconf-nmda">/ncds:get-data</path>
    <rpc-sub>
      <xpath xmlns:ncds="urn:ietf:params:xml:ns:yang:ietf-netconf-nmda">/ncds:get-data</xpath>
      <priority>0</priority>
      <cid>1</cid>
    </rpc-sub>
  </rpc>
  <rpc>
    <path xmlns:ncds="urn:ietf:params:xml:ns:yang:ietf-netconf-nmda">/ncds:edit-data</path>
    <rpc-sub>
      <xpath xmlns:ncds="urn:ietf:params:xml:ns:yang:ietf-netconf-nmda">/ncds:edit-data</xpath>
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      <cid>1</cid>
    </rpc-sub>
  </rpc>
  <rpc>
    <path xmlns:ncEvent="urn:ietf:params:xml:ns:netconf:notification:1.0">/ncEvent:create-subscription</path>
    <rpc-sub>
      <xpath xmlns:ncEvent="urn:ietf:params:xml:ns:netconf:notification:1.0">/ncEvent:create-subscription</xpath>
      <priority>0</priority>
      <cid>1</cid>
    </rpc-sub>
  </rpc>
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 <location>NETCONF</location>
</schema>
<schema>
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```xml
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    <format>yin</format>
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    <location>NETCONF</location>
  </schema>
  <schema>
    <identifier>ietf-tls-server</identifier>
    <version>2019-07-02</version>
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    <location>NETCONF</location>
  </schema>
  <schema>
    <identifier>ietf-tls-server</identifier>
    <version>2019-07-02</version>
    <format>yin</format>
    <namespace>urn:ietf:params:xml:ns:yang:ietf-tls-server</namespace>
    <location>NETCONF</location>
  </schema>
  <schema>
    <identifier>ietf-tcp-client</identifier>
    <version>2019-07-02</version>
    <format>yang</format>
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    <location>NETCONF</location>
  </schema>
  <schema>
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    <version>2019-07-02</version>
    <format>yin</format>
    <namespace>urn:ietf:params:xml:ns:yang:ietf-tcp-client</namespace>
    <location>NETCONF</location>
  </schema>
  <schema>
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    <version>2019-07-02</version>
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    <location>NETCONF</location>
  </schema>
  <schema>
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    <version>2019-07-02</version>
    <format>yin</format>
    <namespace>urn:ietf:params:xml:ns:yang:ietf-tcp-server</namespace>
    <location>NETCONF</location>
  </schema>
  <schema>
    <identifier>ietf-netconf-server</identifier>
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```xml
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    <format>yang</format>
    <namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-server</namespace>
    <location>NETCONF</location>
  </schema>
  <schema>
    <identifier>ietf-netconf-server</identifier>
    <version>2019-07-02</version>
    <format>yin</format>
    <namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-server</namespace>
    <location>NETCONF</location>
  </schema>
  <schema>
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    <version>2022-05-03</version>
    <format>yang</format>
    <namespace>urn:vvdn_mcel:wdm:1.1</namespace>
    <location>NETCONF</location>
  </schema>
  <schema>
    <identifier>vvdn_mcel-wdm</identifier>
    <version>2022-05-03</version>
    <format>yin</format>
    <namespace>urn:vvdn_mcel:wdm:1.1</namespace>
    <location>NETCONF</location>
  </schema>
  <schema>
    <identifier>vvdn_mcel-opm</identifier>
    <version>2020-11-08</version>
    <format>yang</format>
    <namespace>urn:vvdn_mcel-opm:1.1</namespace>
    <location>NETCONF</location>
  </schema>
  <schema>
    <identifier>vvdn_mcel-opm</identifier>
    <version>2020-11-08</version>
    <format>yin</format>
    <namespace>urn:vvdn_mcel-opm:1.1</namespace>
    <location>NETCONF</location>
  </schema>
  <schema>
    <identifier>notification_history</identifier>
  </schema>
  <schema>
    <identifier>notification_history</identifier>
```

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<format>yin</format>
<namespace>urn:notification_history</namespace>
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</schema>
<schema>
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<version>2018-03-13</version>
<format>yang</format>
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<location>NETCONF</location>
</schema>
<schema>
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<version>2018-03-13</version>
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</schema>
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<format>yang</format>
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</schema>
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<version>2018-03-13</version>
<format>yin</format>
<namespace>urn:ietf:params:xml:ns:yang:ietf-hardware</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>ietf-interfaces</identifier>
<version>2018-02-20</version>
<format>yang</format>
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<location>NETCONF</location>
</schema>
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<identifier>ietf-interfaces</identifier>
<version>2018-02-20</version>
<format>yin</format>
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<location>NETCONF</location>
</schema>
<schema>
<identifier>iana-if-type</identifier>
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</schema>
<schema>
<identifier>iana-if-type</identifier>
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<namespace>urn:ietf:params:xml:ns:yang:iana-if-type</namespace>
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</schema>
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<location>NETCONF</location>
</schema>
<schema>
<identifier>ietf-dhcpv6-types</identifier>
<version>2018-01-30</version>
<format>yin</format>
<namespace>urn:ietf:params:xml:ns:yang:ietf-dhcpv6-types</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>ietf-ip</identifier>
<version>2018-02-22</version>
<format>yang</format>
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<location>NETCONF</location>
</schema>
<schema>
<identifier>ietf-ip</identifier>
<version>2018-02-22</version>
<format>yin</format>
<namespace>urn:ietf:params:xml:ns:yang:ietf-ip</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>o-ran-dhcp</identifier>
<version>2019-07-03</version>
<format>yang</format>
<namespace>urn:o-ran:dhcp:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>o-ran-dhcp</identifier>
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  <version>2019-07-03</version>
  <format>yin</format>
  <namespace>urn:o-ran:dhcp:1.0</namespace>
  <location>NETCONF</location>
 </schema>
 <schema>
  <identifier>o-ran-interfaces</identifier>
  <version>2019-07-03</version>
  <format>yang</format>
  <namespace>urn:o-ran:interfaces:1.0</namespace>
  <location>NETCONF</location>
 </schema>
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  <version>2019-07-03</version>
  <format>yin</format>
  <namespace>urn:o-ran:interfaces:1.0</namespace>
  <location>NETCONF</location>
 </schema>
 <schema>
  <identifier>o-ran-mplane-int</identifier>
  <version>2019-07-03</version>
  <format>yang</format>
  <namespace>urn:o-ran:mplane-interfaces:1.0</namespace>
  <location>NETCONF</location>
 </schema>
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  <version>2019-07-03</version>
  <format>yin</format>
  <namespace>urn:o-ran:mplane-interfaces:1.0</namespace>
  <location>NETCONF</location>
 </schema>
 <schema>
  <identifier>o-ran-transceiver</identifier>
  <version>2019-07-03</version>
  <format>yang</format>
  <namespace>urn:o-ran:transceiver:1.0</namespace>
  <location>NETCONF</location>
 </schema>
 <schema>
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  <version>2019-07-03</version>
  <format>yin</format>
  <namespace>urn:o-ran:transceiver:1.0</namespace>
  <location>NETCONF</location>
 </schema>
 <schema>
  <identifier>o-ran-processing-element</identifier>
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<location>NETCONF</location>
</schema>
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<format>yang</format>
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<location>NETCONF</location>
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<version>2019-07-03</version>
<format>yin</format>
<namespace>urn:o-ran:ald-port:1.0</namespace>
<location>NETCONF</location>
</schema>
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<identifier>o-ran-supervision</identifier>
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<format>yang</format>
<namespace>urn:o-ran:supervision:1.0</namespace>
<location>NETCONF</location>
</schema>
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<format>yin</format>
<namespace>urn:o-ran:supervision:1.0</namespace>
<location>NETCONF</location>
</schema>
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<identifier>o-ran-hardware</identifier>
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<format>yang</format>
<namespace>urn:o-ran:hardware:1.0</namespace>
<location>NETCONF</location>
</schema>
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<identifier>o-ran-hardware</identifier>
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  <format>yin</format>
  <namespace>urn:o-ran:hardware:1.0</namespace>
  <location>NETCONF</location>
 </schema>
 <schema>
  <identifier>o-ran-fm</identifier>
  <version>2019-02-04</version>
  <format>yang</format>
  <namespace>urn:o-ran:fm:1.0</namespace>
  <location>NETCONF</location>
 </schema>
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  <version>2019-02-04</version>
  <format>yin</format>
  <namespace>urn:o-ran:fm:1.0</namespace>
  <location>NETCONF</location>
 </schema>
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  <identifier>o-ran-usermgmt</identifier>
  <version>2019-07-03</version>
  <format>yang</format>
  <namespace>urn:o-ran:user-mgmt:1.0</namespace>
  <location>NETCONF</location>
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  <format>yin</format>
  <namespace>urn:o-ran:user-mgmt:1.0</namespace>
  <location>NETCONF</location>
 </schema>
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  <identifier>o-ran-sync</identifier>
  <version>2019-07-03</version>
  <format>yang</format>
  <namespace>urn:o-ran:sync:1.0</namespace>
  <location>NETCONF</location>
 </schema>
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  <version>2019-07-03</version>
  <format>yin</format>
  <namespace>urn:o-ran:sync:1.0</namespace>
  <location>NETCONF</location>
 </schema>
 <schema>
  <identifier>o-ran-compression-factors</identifier>
```

```xml
   <version>2019-07-03</version>
   <format>yang</format>
   <namespace>urn:o-ran:compression-factors:1.0</namespace>
   <location>NETCONF</location>
 </schema>
 <schema>
   <identifier>o-ran-compression-factors</identifier>
   <version>2019-07-03</version>
   <format>yin</format>
   <namespace>urn:o-ran:compression-factors:1.0</namespace>
   <location>NETCONF</location>
 </schema>
 <schema>
   <identifier>o-ran-module-cap</identifier>
   <version>2019-07-03</version>
   <format>yang</format>
   <namespace>urn:o-ran:module-cap:1.0</namespace>
   <location>NETCONF</location>
 </schema>
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   <format>yin</format>
   <namespace>urn:o-ran:module-cap:1.0</namespace>
   <location>NETCONF</location>
 </schema>
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   <identifier>o-ran-delay-management</identifier>
   <version>2019-07-03</version>
   <format>yang</format>
   <namespace>urn:o-ran:delay:1.0</namespace>
   <location>NETCONF</location>
 </schema>
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   <version>2019-07-03</version>
   <format>yin</format>
   <namespace>urn:o-ran:delay:1.0</namespace>
   <location>NETCONF</location>
 </schema>
 <schema>
   <identifier>o-ran-operations</identifier>
   <version>2019-07-03</version>
   <format>yang</format>
   <namespace>urn:o-ran:operations:1.0</namespace>
   <location>NETCONF</location>
 </schema>
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   <identifier>o-ran-operations</identifier>
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<format>yin</format>
<namespace>urn:o-ran:operations:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
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<format>yang</format>
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<location>NETCONF</location>
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<format>yin</format>
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<location>NETCONF</location>
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<location>NETCONF</location>
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<namespace>urn:o-ran:file-management:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
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<namespace>urn:o-ran:software-management:1.0</namespace>
<location>NETCONF</location>
</schema>
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<format>yin</format>
<namespace>urn:o-ran:software-management:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>o-ran-performance-management</identifier>
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<format>yang</format>
<namespace>urn:o-ran:performance-management:1.0</namespace>
<location>NETCONF</location>
</schema>
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<location>NETCONF</location>
</schema>
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<location>NETCONF</location>
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<format>yin</format>
<namespace>urn:o-ran:ald:1.0</namespace>
<location>NETCONF</location>
</schema>
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<version>2019-07-03</version>
<format>yang</format>
<namespace>urn:o-ran:trace:1.0</namespace>
<location>NETCONF</location>
</schema>
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<version>2019-07-03</version>
<format>yin</format>
<namespace>urn:o-ran:trace:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>o-ran-troubleshooting</identifier>
<version>2019-02-04</version>
<format>yang</format>
<namespace>urn:o-ran:troubleshooting:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>o-ran-troubleshooting</identifier>
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    <format>yin</format>
    <namespace>urn:o-ran:troubleshooting:1.0</namespace>
    <location>NETCONF</location>
   </schema>
  </schemas>
  <sessions>
   <session>
    <session-id>1</session-id>
    <transport>netconf-ssh</transport>
    <username>root</username>
    <source-host>192.168.49.88</source-host>
    <login-time>2103-10-30T00:03:16Z</login-time>
    <in-rpcs>4</in-rpcs>
    <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>1</in-sessions>
    <dropped-sessions>0</dropped-sessions>
    <in-rpcs>4</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">
  <streams>
   <stream>
    <name>NETCONF</name>
    <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>
   <stream>
```

```
<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>
</stream>
<stream>
<name>sysrepo-plugind</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>false</replaySupport>
</stream>
<stream>
<name>ietf-netconf-with-defaults</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>false</replaySupport>
</stream>
<stream>
<name>ietf-netconf-notifications</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>false</replaySupport>
</stream>
<stream>
<name>ietf-origin</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>false</replaySupport>
</stream>
<stream>
<name>ietf-netconf-acm</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>false</replaySupport>
</stream>
<stream>
<name>ietf-netconf</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>false</replaySupport>
</stream>
<stream>
<name>ietf-netconf-monitoring</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>false</replaySupport>
</stream>
<stream>
<name>ietf-netconf-nmda</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>false</replaySupport>
</stream>
```

```xml
<stream>
 <name>nc-notifications</name>
 <description>Stream with all notifications of a module.</description>
 <replaySupport>false</replaySupport>
</stream>
<stream>
 <name>notifications</name>
 <description>Stream with all notifications of a module.</description>
 <replaySupport>false</replaySupport>
</stream>
<stream>
 <name>ietf-x509-cert-to-name</name>
 <description>Stream with all notifications of a module.</description>
 <replaySupport>false</replaySupport>
</stream>
<stream>
 <name>ietf-crypto-types</name>
 <description>Stream with all notifications of a module.</description>
 <replaySupport>false</replaySupport>
</stream>
<stream>
 <name>ietf-keystore</name>
 <description>Stream with all notifications of a module.</description>
 <replaySupport>false</replaySupport>
</stream>
<stream>
 <name>ietf-truststore</name>
 <description>Stream with all notifications of a module.</description>
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</stream>
<stream>
 <name>ietf-tcp-common</name>
 <description>Stream with all notifications of a module.</description>
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 <name>ietf-ssh-server</name>
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 <replaySupport>false</replaySupport>
</stream>
<stream>
 <name>ietf-tls-server</name>
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 <replaySupport>false</replaySupport>
</stream>
<stream>
 <name>ietf-netconf-server</name>
 <description>Stream with all notifications of a module.</description>
 <replaySupport>false</replaySupport>
```

```xml
</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>
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</stream>
<stream>
 <name>notification_history</name>
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 <replaySupport>false</replaySupport>
</stream>
<stream>
 <name>iana-hardware</name>
 <description>Stream with all notifications of a module.</description>
 <replaySupport>false</replaySupport>
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</stream>
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</stream>
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 <name>iana-if-type</name>
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 <description>Stream with all notifications of a module.</description>
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</stream>
<stream>
 <name>ietf-ip</name>
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 <replaySupport>false</replaySupport>
</stream>
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 <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-mplane-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>
 <replaySupport>false</replaySupport>
</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>
 <description>Stream with all notifications of a module.</description>
 <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>31588</in-octets>
    <in-discards>0</in-discards>
    <in-errors>0</in-errors>
    <out-octets>49790</out-octets>
    <out-errors>0</out-errors>
    <out-discards>0</out-discards>
```

```xml
      </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>3136</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>26584</in-octets>
       <in-discards>0</in-discards>
       <in-errors>0</in-errors>
       <out-octets>43587</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>
    <active-alarm-list xmlns="urn:o-ran:fm:1.0">
     <active-alarms>
      <fault-id>18</fault-id>
      <fault-source>Module or antenna line</fault-source>
      <affected-objects>
```

```xml
  <name>Sync Module</name>
  </affected-objects>
  <fault-severity>CRITICAL</fault-severity>
  <is-cleared>false</is-cleared>
  <fault-text>Synchronization Error</fault-text>
  <event-time>2103-10-30T00:03:20Z</event-time>
 </active-alarms>
</active-alarm-list>
<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-mmcblk0p1/BOOT0001.BIN</local-path>
   <integrity>OK</integrity>
  </files>
  <files>
   <name>kernel</name>
   <version>1.0.0</version>
   <local-path>/media/sd-mmcblk0p1/image0001.ub</local-path>
   <integrity>OK</integrity>
  </files>
  <files>
   <name>rootfs</name>
   <version>1.0.0</version>
   <local-path>/media/sd-mmcblk0p2/</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>
```

```xml
<build-version>1.0.1</build-version>
<files>
 <name>boot</name>
 <version>1.0.0</version>
 <local-path>/media/sd-mmcblk0p1/BOOT0002.BIN</local-path>
 <integrity>OK</integrity>
</files>
<files>
 <name>kernel</name>
 <version>1.0.0</version>
 <local-path>/media/sd-mmcblk0p1/image0002.ub</local-path>
 <integrity>OK</integrity>
</files>
<files>
 <name>rootfs</name>
 <version>1.0.0</version>
 <local-path>/media/sd-mmcblk0p3/</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-mmcblk0p1/BOOT0003.BIN</local-path>
 <integrity>OK</integrity>
</files>
<files>
 <name>kernel</name>
 <version>1.0.0</version>
 <local-path>/media/sd-mmcblk0p1/golden.ub</local-path>
 <integrity>OK</integrity>
</files>
<files>
 <name>rootfs</name>
 <version>1.0.0</version>
 <local-path>/media/sd-mmcblk0p1/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

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