



@ FILE NAME: M_FTC_ID_058.txt

@ TEST SCOPE: M PLANE O-RAN FUNCTIONAL

@ Software Release for B40: v0.0.5

Test Description : Test to verify whether from the NETCONF Error List with tag missing-element

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

```
> connect --ssh --host 192.168.4.61 --port 830 --login operator
```

```
Interactive SSH Authentication
```

```
Type your password:
```

```
Password:
```

```
> status
```

```
Current NETCONF session:
```

```
ID      : 3
```

```
Host     : 192.168.4.61
```

```
Port     : 830
```

```
Transport : SSH
```

```
Capabilities:
```

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

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

```
urn:ietf:params:netconf:capability:validate:1.1urn:ietf:params:netconf:capability:startup:1.0urn: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:1.0urn:ietf:params:netconf:capability:interleave:1.0
```

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

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

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

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

```
urn:ietf:params:netconf:capability:yang-library:1.1?revision=2019-01-04&content-id=61
```

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

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

```
urn:ietf:params:xml:ns:netconf:base:1.0?module=ietf-netconf&revision=2013-09-29&features=writable-running,candidate,rollback-on-error,validate,
startup,url,xpathurn: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=2014-08-06urn:notification_history?module=notification_history
```

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

```
=====
***** Create Subscription *****
=====
```

```
>subscribe
```

```
Ok
```

```
=====
***** Configure Interface yang*****
=====
```

```
=====
> edit-config --target running --config --defop merge
=====
```

```
=====
***** Replace with XMI *****
=====
```

```
<interfaces>
<interface>
  <vlan-id xmlns="urn:o-ran:interfaces:1.0">100</vlan-id>
  <mac-address xmlns="urn:o-ran:interfaces:1.0">78:7d:f3:01:16:21</mac-address>
  <port-reference xmlns="urn:o-ran:interfaces:1.0">
    <port-name>ru-port1</port-name>
    <port-number>1</port-number>
  </port-reference>
</interface>
</interfaces>
```

```
=====
##### Rpc Reply #####
=====
```

```
ERROR type      : application
tag             : operation-failed
severity        : error
message         : Missing element's "namespace".
```

=====

SYSTEM LOGS

=====

May 18 03:59:16 b40 daemon.info netopeer2-server[964]: Trying to connect via IPv4 to 192.168.4.15:4334.

May 18 03:59:16 b40 daemon.info netopeer2-server[964]: getsockopt() error (Connection refused).

May 18 03:59:17 b40 daemon.info netopeer2-server[964]: Trying to connect via IPv4 to 192.168.4.15:4334.

May 18 03:59:17 b40 daemon.info netopeer2-server[964]: getsockopt() error (Connection refused).

May 18 03:59:18 b40 daemon.info netopeer2-server[964]: Trying to connect via IPv4 to 192.168.4.15:4334.

May 18 03:59:18 b40 daemon.info netopeer2-server[964]: getsockopt() error (Connection refused).

May 18 03:59:19 b40 daemon.info netopeer2-server[964]: Trying to connect via IPv4 to 192.168.4.15:4334.

May 18 03:59:19 b40 daemon.info netopeer2-server[964]: getsockopt() error (Connection refused).

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Trying to connect via IPv4 to 192.168.4.15:4334.

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Successfully connected to 192.168.4.15:4334 over IPv4.

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Session 86 (user "root", CID 1) created.

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Received an SSH message "request-service" of subtype "ssh-userauth".

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Received an SSH message "request-auth" of subtype "password".

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: User "operator" authenticated.

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Received an SSH message "request-channel-open" of subtype "session".

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Received an SSH message "request-channel" of subtype "subsystem".

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Call Home client "default-client" session 3 established.

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Session 87 (user "root", CID 1) created.

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: There are no subscribers for "ietf-netconf-notifications" notifications.

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Generated new event (netconf-session-start).

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Published event "rpc" "/ietf-netconf:get" with ID 5 priority 0 for 1 subscribers.

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Processing "/ietf-netconf:get" "rpc" event with ID 5 priority 0 (remaining 1 subscribers).

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Successful processing of "rpc" event with ID 5 priority 0 (remaining 0 subscribers).

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Event "rpc" with ID 5 priority 0 succeeded.

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Session 3: thread 2 event new RPC.

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Published event "rpc" "/ietf-netconf:get" with ID 6 priority 0 for 1 subscribers.

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Processing "/ietf-netconf:get" "rpc" event with ID 6 priority 0 (remaining 1 subscribers).

May 18 03:59:20 b40 daemon.info netopeer2-server[964]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 3.

May 18 03:59:20 b40 user.notice fw_manager[1110]: RPC #3 recieved. xpath -> /o-ran-software-management:software-inventory

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: Event "operational" with ID 3 succeeded.

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL O-RU", but it is not required.

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "", but it is not required.

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL=O-RU", but it is not required.

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: Successful processing of "rpc" event with ID 6 priority 0 (remaining 0 subscribers).

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: Event "rpc" with ID 6 priority 0 succeeded.

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: There is no leafref

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May 18 03:59:21 b40 daemon.info netopeer2-server[964]: There is no leafref

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May 18 03:59:21 b40 daemon.info netopeer2-server[964]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL=O-RU", but it is not required.

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: Session 3: thread 2 event new RPC.

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: Published event "rpc" "/ietf-netconf:get-config" with ID 3 priority 0 for 1 subscribers.

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: Processing "/ietf-netconf:get-config" "rpc" event with ID 3 priority 0 (remaining 1 subscribers).

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: Successful processing of "rpc" event with ID 3 priority 0 (remaining 0 subscribers).

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: Event "rpc" with ID 3 priority 0 succeeded.

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

May 18 03:59:21 b40 daemon.info netopeer2-server[964]: Session 3: thread 1 event new RPC.

May 18 03:59:26 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

May 18 03:59:26 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

May 18 03:59:26 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

May 18 03:59:26 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

May 18 03:59:26 b40 daemon.info netopeer2-server[964]: Published event "rpc" "/notifications:create-subscription" with ID 3 priority 0 for 1 subscribers.

May 18 03:59:26 b40 daemon.info netopeer2-server[964]: Processing "/notifications:create-subscription" "rpc" event with ID 3 priority 0 (remaining 1 subscribers).

May 18 03:59:26 b40 daemon.info netopeer2-server[964]: Successful processing of "rpc" event with ID 3 priority 0 (remaining 0 subscribers).

May 18 03:59:26 b40 daemon.info netopeer2-server[964]: Event "rpc" with ID 3 priority 0 succeeded.

May 18 03:59:26 b40 daemon.info netopeer2-server[964]: Session 3: thread 2 event new RPC.

May 18 03:59:26 b40 daemon.err netopeer2-server[964]: Missing element's "namespace". (/nc:rpc/nc:edit-config/config)

May 18 03:59:26 b40 daemon.info netopeer2-server[964]: Session 3: thread 2 event bad RPC.

May 18 03:59:26 b40 daemon.info netopeer2-server[964]: Session 3: thread 2 event reply error.

May 18 03:59:26 b40 authpriv.debug sshd[21006]: pam_unix(sshd:account): account operator has password changed in future

May 18 03:59:26 b40 auth.info sshd[21006]: Accepted password for operator from 192.168.4.15 port 54286 ssh2

May 18 03:59:26 b40 authpriv.info sshd[21006]: pam_unix(sshd:session): session opened for user operator by (uid=0)

Expected Result : An expected element is missing.

error-tag: missing-element

error-type: protocol, application

error-severity: error

error-info: <bad-element> : name of the missing element

Description: An expected element is missing.

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

=====
Error_Tag[missing-element] = PASS
=====