@ 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,valida

te,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 Inteface yang**********
=============================================================================

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

========================================================================
**\*\*\*\*\*\*\* Replace with XMl \*\*\*\*\*\*\*\***
========================================================================

```
<interfaces xmlns="urn:ietf:params:xml:ns:yang:ietf-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 #############
================================================================================
```

Nov 25 12:34:27 b40 daemon.info netopeer2-server[964]: Trying to connect via IPv4 to 192.168.4.15:4334.

Nov 25 12:34:27 b40 daemon.info netopeer2-server[964]: getsockopt() error (Connection refused).

Nov 25 12:34:28 b40 daemon.info netopeer2-server[964]: Trying to connect via IPv4 to 192.168.4.15:4334.

Nov 25 12:34:28 b40 daemon.info netopeer2-server[964]: getsockopt() error (Connection refused).

Nov 25 12:34:29 b40 daemon.info netopeer2-server[964]: Trying to connect via IPv4 to 192.168.4.15:4334.

Nov 25 12:34:29 b40 daemon.info netopeer2-server[964]: getsockopt() error (Connection refused).

Nov 25 12:34:30 b40 daemon.info netopeer2-server[964]: Trying to connect via IPv4 to 192.168.4.15:4334.

Nov 25 12:34:30 b40 daemon.info netopeer2-server[964]: getsockopt() error (Connection refused).

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Trying to connect via IPv4 to 192.168.4.15:4334.

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Successfully connected to 192.168.4.15:4334 over IPv4.

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Session 89 (user "root", CID 1) created.

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Received an SSH message "request-service" of subtype "ssh-userauth".

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Received an SSH message "request-auth" of subtype "password".

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: User "operator" authenticated.

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Received an SSH message "request-channel-open" of subtype "session".

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Received an SSH message "request-channel" of subtype "subsystem".

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Call Home client "default-client" session 3 established.

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Session 90 (user "root", CID 1) created.

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: There are no subscribers for "ietf-netconf-notifications" notifications.

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Generated new event (netconf-session-start).

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Published event "rpc" "/ietf-netconf:get" with ID 5 priority 0 for 1 subscribers.

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Processing "/ietf-netconf:get" "rpc" event with ID 5 priority 0 (remaining 1 subscribers).

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Successful processing of "rpc" event with ID 5 priority 0 (remaining 0 subscribers).

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Event "rpc" with ID 5 priority 0 succeeded.

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Session 3: thread 2 event new RPC.

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Published event "rpc" "/ietf-netconf:get" with ID 6 priority 0 for 1 subscribers.

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Processing "/ietf-netconf:get" "rpc" event with ID 6 priority 0 (remaining 1 subscribers).

Nov 25 12:34:31 b40 daemon.info netopeer2-server[964]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 3.

Nov 25 12:34:31 b40 user.notice fw_manager[1113]: RPC #3 recieved. xpath -> /o-ran-software-management:software-inventory

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: Event "operational" with ID 3 succeeded.

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

Nov 25 12:34:32 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.

Nov 25 12:34:32 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.

Nov 25 12:34:32 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.

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: Successful processing of "rpc" event with ID 6 priority 0 (remaining 0 subscribers).

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: Event "rpc" with ID 6 priority 0 succeeded.

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

Nov 25 12:34:32 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.

Nov 25 12:34:32 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.

Nov 25 12:34:32 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.

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: Session 3: thread 2 event new RPC.

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: Published event "rpc" "/ietf-netconf:get-config" with ID 3 priority 0 for 1 subscribers.

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: Processing "/ietf-netconf:get-config" "rpc" event with ID 3 priority 0 (remaining 1 subscribers).

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: Successful processing of "rpc" event with ID 3 priority 0 (remaining 0 subscribers).

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: Event "rpc" with ID 3 priority 0 succeeded.

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

Nov 25 12:34:32 b40 daemon.info netopeer2-server[964]: Session 3: thread 1 event new RPC.

Nov 25 12:34:37 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

Nov 25 12:34:37 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

Nov 25 12:34:37 b40 daemon.info netopeer2-server[964]: Resolving unresolved data nodes and their constraints...

Nov 25 12:34:37 b40 daemon.info netopeer2-server[964]: All data nodes and constraints resolved.

Nov 25 12:34:37 b40 daemon.info netopeer2-server[964]: Published event "rpc" "/notifications:create-subscription" with ID 3 priority 0 for 1 subscribers.

Nov 25 12:34:37 b40 daemon.info netopeer2-server[964]: Processing "/notifications:create-subscription" "rpc" event with ID 3 priority 0 (remaining 1 subscribers).

Nov 25 12:34:37 b40 daemon.info netopeer2-server[964]: Successful processing of "rpc" event with ID 3 priority 0 (remaining 0 subscribers).

Nov 25 12:34:37 b40 daemon.info netopeer2-server[964]: Event "rpc" with ID 3 priority 0 succeeded.

Nov 25 12:34:37 b40 daemon.info netopeer2-server[964]: Session 3: thread 1 event new RPC.

Nov 25 12:34:37 b40 daemon.err netopeer2-server[964]: Missing element's "namespace". (/nc:rpc/nc:edit-config/config)

Nov 25 12:34:37 b40 daemon.info netopeer2-server[964]: Session 3: thread 4 event bad RPC.

Nov 25 12:34:37 b40 daemon.info netopeer2-server[964]: Session 3: thread 4 event reply error.

Nov 25 12:34:37 b40 auth.info sshd[4028]: Accepted password for operator from 192.168.4.15 port 40208 ssh2

Nov 25 12:34:37 b40 authpriv.info sshd[4028]: 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 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***
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=====================================================================
**Error_Tag[missing-element]** **=** **PASS**

=====================================================================