@ FILE NAME: M_CTC_ID_008.txt

@ TEST SCOPE: M PLANE O-RAN CONFORMANCE

@ Software Release for Garuda_RevD: v5.0.2

Test Description : This test validates that the O-RU manages the connection supervision process correctly.

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

==

> connect --ssh --host 192.168.4.40 --port 830 --login operator

    Interactive SSH Authentication

    Type your password:

    Password:

    > status

    Current NETCONF session:

    ID   : 8

    Host   : 192.168.4.40

    Port   : 830

    Transport : SSH

    Capabilities:

    urn:ietf:params:netconf:base:1.0 urn:ietf:params:netconf:base:1.1 urn:ietf:params:netconf:capability:writable-running:1.0 urn:ietf:params:netconf:capability:candidate:1.0 urn:ietf:params:netconf:capability:rollback-on-error:1.0 urn:ietf:params:netconf:capability:validate:1.1 urn:ietf:params:netconf:capability:startup:1.0 urn:ietf:params:netconf:capability:xpath:1.0 urn:ietf:params:netconf:capability:with-defaults:1.0?basic-mode=explicit&also-supported=report-all,report-all-tagged,trim,explicit urn:ietf:params:netconf:capability:notification:1.0 urn:ietf:params:netconf:capability:interleave:1.0 urn:ietf:params:xml:ns:yang:ietf-yang-metadata?module=ietf-yang-metadata&revision=2016-08-05 urn:ietf:params:xml:ns:yang:1?module=yang&revision=2017-02-20 urn:ietf:params:xml:ns:yang:ietf-inet-types?module=ietf-inet-types&revision=2013-07-15 urn:ietf:params:xml:ns:yang:ietf-yang-types?module=ietf-yang-types&revision=2013-07-15 urn:ietf:params:netconf:capability:yang-library:1.1?revision=2019-01-04&content-id=61 urn:sysrepo:plugind?module=sysrepo-plugind&revision=2020-12-10 urn:ietf:params:xml:ns:yang:ietf-netconf-acm?module=ietf-netconf-acm&revision=2018-02-14 urn:ietf:params:xml:ns:netconf:base:1.0?module=ietf-netconf&revision=2013-09-29&features=writable-running,candidate,rollback-on-error,validate,startup,url,xpath urn:ietf:params:xml:ns:yang:ietf-netconf-with-defaults?module=ietf-netconf-with-defaults&revision=2011-06-01 urn:ietf:params:xml:ns:yang:ietf-netconf-notifications?module=ietf-netconf-notifications&revision=2012-02-06 urn:ietf:params:xml:ns:yang:ietf-netconf-monitoring?module=ietf-netconf-monitoring&revision=2010-10-04 urn:ietf:params:xml:ns:netconf:notification:1.0?module=notifications&revision=2008-07-14 urn:ietf:params:xml:ns:netmod:notification?module=nc-notifications&revision=2008-07-14 urn:ietf:params:xml:ns:yang:ietf-x509-cert-to-name?module=ietf-x509-cert-to-name&revision=2014-12-10 urn:ietf:params:xml:ns:yang:iana-crypt-hash?module=iana-crypt-hash&revision=2014-08-06 urn:notification_history?module=notification_history urn:ietf:params:xml:ns:yang:iana-if-type?module=iana-if-type&revision=2017-01-19

==
**********step 1 and 2 Retrieval of ru information with filter **********
==

==
> subscribe
==

Ok

==
TER NETCONF Client responds with <rpc supervision-watchdog-reset></rpc> to the O-RU NETCONF Server
==

==
> user-rpc
==

==
******* Replace with below xml ********
==

```
<supervision-watchdog-reset xmlns="urn:o-ran:supervision:1.0">
   <supervision-notification-interval>20</supervision-notification-interval>
   <guard-timer-overhead>15</guard-timer-overhead>
</supervision-watchdog-reset>
```

==
O-RU NETCONF Server sends a reply to the TER NETCONF Client <rpc-reply><next-update-at>date-time</next-update-at></rpc-reply>
==

```
<nc:rpc-reply xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"
message-id="urn:uuid:c8fd9918-01a7-4ad2-b0e3-e6b4980ae0c4"><next-update-at
xmlns="urn:o-ran:supervision:1.0">2027-04-14T04:13:52Z</next-update-at></nc:rpc-reply>
```

==
******** Looped for 30 iterations ***********
==

==
1th iteration
==

```
<nc:rpc-reply xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"
message-id="urn:uuid:789817d5-6534-4568-a3e3-1e393f6cbfe2"><next-update-at
xmlns="urn:o-ran:supervision:1.0">2027-04-14T04:13:52Z</next-update-at></nc:rpc-reply>
```

==
2th iteration
==

```
<nc:rpc-reply xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"
message-id="urn:uuid:77bf1625-d92f-479d-988c-a51ead74dbc9"><next-update-at
```

xmlns="urn:o-ran:supervision:1.0">2027-04-14T04:14:19Z</next-update-at></nc:rpc-reply>

===

3th iteration

===

Error : ncclient timed out while waiting for an rpc reply.

===

ncclient timed out while waiting for an rpc reply. : TimeoutExpiredError....

===

Error occured in line number 155