

Use case testing

Note: The OOF-PCI use case implementation and testing will be done at the Rutgers University Winlab ONAP Wireless Lab. Access is available to interested ONAP members.

Please see this page for details: [Open Wireless Laboratory \(OWL\) at Wireless Information Network Laboratory \(WINLAB\)](#)

The following integration test cases shall also be done as part of Use case testing, as the corresponding code is not fully part of official Dublin release (even though some of it is already committed). So the test case numbering is aligned with the test cases that are part of official [Integration Testing](#) for ONAP Dublin for this use case.

#	Component(s)	Test Case	Status	Remarks
IT#017	SDN-R	Upon receiving message from Policy, SDN-R sends netconf message to RAN-Sim.	<div>COMPLETE</div> <ul style="list-style-type: none"> The below issue is still open, and completed testing by a temporary solution Jira: CCSDK-1400 (https://jira.onap.org/browse/CCSDK-1400) 	<p>Will be completed when CCSDK-1399 and CCSDK-1400 are delivered.</p> <div> CCSDK-1364 - Bug with dmaap listener code for SDNR OOFPCI POC CLOSED </div> <div> SDNC-772 - Update dmaap-listener properties to support a single consumer CLOSED </div> <p>The DMAAP listener docker with the code fix is not yet deployed in SB-00 where the testing is done. The code, fix however, is already merged on to Dublin and Master branches. So, once the latest docker is deployed, we will continue and complete the test case at Windriver.</p> <ul style="list-style-type: none"> We submitted additional bug fixes and hope that the new Jenkins release would be deployed in the integration labs for testing <ul style="list-style-type: none"> Jira: CCSDK-1399 https://jira.onap.org/browse/CCSDK-1399 Code commit: https://gerrit.onap.org/r/c/ccsdk/sli/northbound/+89792 One bug/issue is still under investigation and has been reported onto the SDNR distribution list. <ul style="list-style-type: none"> https://lists.onap.org/g/onap-SDNR/message/386 Jira: CCSDK-1400 (https://jira.onap.org/browse/CCSDK-1400) This issue is still open, and completed testing by temporary solution
IT#019	SDNR (DMAAP Listener)	SDNR is able to receive DMAAP message from Policy	COMPLETE	
IT#020	SDNR	SDNR is able to receive a DMAAP message to configure PCI value (Action: ModifyConfig) and invoke RPC: configure-phy-cell-id	COMPLETE	
IT#021	SDNR	SDNR is able to receive a DMAAP message to configure PCI value and/or blacklisted flag of neighbor cell/s (Action: ModifyConfigANR) and invoke RPC: generic-neighbor-configuration	COMPLETE	
IT#022	SDNR & RAN simulator	RPC execution (configure-phy-cell-id): Verify if Restconf transactions against the Netconf mounted RAN simulator succeed in configuring PCI value of a cell	COMPLETE	This can be verified by reviewing either SDNR/DG logs (/opt/opendaylight/current/data/log/configuration-phy-cell-id.log) or executing GET Restconf transaction from the SDNR Restconf API explorer
IT#023	SDNR & RAN simulator	RPC execution (generic-neighbor-configuration): Verify if Restconf transactions against the Netconf mounted RAN simulator succeed in configuring PCI value and/or blacklisted flag of neighbor cell/s	COMPLETE	This can be verified by reviewing either SDNR/DG logs (/opt/opendaylight/current/data/log/generic-neighbor-config.log) or executing GET Restconf transaction from the SDNR Restconf API explorer
IT#024	SDNR & RAN simulator	RAN simulator generates Netconf notification to indicate neighbor list change notification	NOT STARTED	Prerequisite: RAN simulator is configured and Netconf mounted onto SDNR
IT#025	SDNR & RAN simulator	SDNR after receiving Netconf notification invokes RPC handle-nbrlist-change-notif	NOT STARTED	Prerequisite: RAN simulator is configured and Netconf mounted onto SDNR
IT#026	SDNR & ConfigDB	RPC execution (handle-nbrlist-change-notif): Update configDB by adding new neighbors per NETRCONF notification	NOT STARTED	<p>Verify ConfigDB is updated by executing GET transaction from Postman</p> <p>Verify neighbor additions are aligned with neighbor list change Netconf notification</p>
IT#027	SDNR/DMAAP message	RPC execution (handle-nbrlist-change-notif): DMAAP message (PCI-NOTIF-TOPIC-NHGBR-LIST-CHANGE-INFO) is published from SDNR to be consumed by SON MS	NOT STARTED	<p>Verify DMAAP message is published onto message router</p> <p>Verify payload of the DMAAP message aligns with the original neighbor list change Netconf notification</p>
IT#028	SDNR & ConfigDB	RPC execution (configure-phy-cell-id): Verify if ConfigDB is updated after respective RAN simulator nodes are configured using Restconf/Netconf	COMPLETE	<p>This can be verified by reviewing either SDNR/DG logs (/opt/opendaylight/current/data/log/configuration-phy-cell-id.log) or executing GET API against ConfigDB</p> <p>Completed the testing in EI Alto</p>

IT#029	SDNR & DMAAP Publication	RPC execution (configure-phy-cell-id): Verify if DMAAP message confirming success or failure is published to be consumed by Policy as confirmation of its requested action	COMPLETE	<p>DMAAP message is published to Topic SDNR-CL-RSP. Verify the DMAAP message payload is as expected per requirement 1.5: PCI Changes response from SDNR to Policy</p> <p>Completed the testing in EI Alto</p>
IT#030	SDNR & ConfigDB	RPC execution (generic-neighbor-configuration): Verify if ConfigDB is updated after respective RAN simulator nodes are configured using Restconf/Netconf	COMPLETE	<p>This can be verified by reviewing either SDNR/DG logs (/opt/opendaylight/current/data/log/generic-neighbor-config.log) or executing GET API against ConfigDB</p> <p>Completed the testing in EI Alto</p>
IT#031	SDNR & DMAAP Publication	RPC execution (generic-neighbor-configuration): Verify if DMAAP message confirming success or failure is published to be consumed by Policy as confirmation of its requested action	COMPLETE	<p>DMAAP message is published to Topic SDNR-CL-RSP. Verify the DMAAP message payload is as expected per requirement 2.5: ANR Changes response from SDNR to Policy</p> <p>Completed the testing in EI Alto</p>