

# Software Defined Network Controller Project

Each project should have its own page with all of the associated project pages / attachments under it.

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## SDNC Approved Project Proposal

## Release Planning

### Amsterdam Release

- [M1 Release Planning Template](#)
- [M1 Release Planning Checklist](#)
- [M2 Functionality Freeze Checklist link](#)
- [M3 API Freeze Checklist link](#)
- [M4 Code Freeze Checklist link](#)
- [RC0 Checklist link](#)
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### B Release

### C Release

## Meetings

SDNC Weekly Meeting

UTC 1:00 PM - 2:00 PM  
PST 6:00 AM - 7:00 AM  
EST 9:00 AM - 10:00 AM  
<https://zoom.us/j/330824945>

Zoom meeting. Join from PC, Mac, Linux, iOS or Android: <https://zoom.us/j/330824945> Or iPhone one-tap (US Toll): +16465588656,,330824945# or +14086380968,,330824945# Or Telephone: Dial: +1 646 558 8656 (US Toll) or +1 408 638 0968 (US Toll) +1 855 880 1246 (US Toll Free) +1 877 369 0926 (US Toll Free) Meeting ID: 330 824 945 International numbers available: <https://zoom.us/join?meetingid=330824945>

## Meeting Minutes

- 8/16/2017 <http://ircbot.wl.linuxfoundation.org/meetings/onap-sdnc/2017/onap-sdnc.2017-08-16-13.03.html>
- 8/23/2017 <http://ircbot.wl.linuxfoundation.org/meetings/onap-sdnc/2017/onap-sdnc.2017-08-23-13.09.html>
- 8/30/2017 <http://ircbot.wl.linuxfoundation.org/meetings/onap-sdnc/2017/onap-sdnc.2017-08-30-13.38.html>
- 9/13/2017 <http://ircbot.wl.linuxfoundation.org/meetings/onap-sdnc/2017/onap-sdnc.2017-09-13-13.09.html>
- 12/13/2017 <http://ircbot.wl.linuxfoundation.org/meetings/onap-sdnc/2017/onap-sdnc.2017-12-13-19.26.html>

## SDNC APIs

Link to [SDNC APIs](#) Page (Included below)

- Incoming APIs:
  - RESTCONF APIs:
    - Healthcheck : used to verify health of SDNC.
      - Swagger JSON : [SLI-API\(2016-11-10\).json](#) (Readthedocs : [SLI-API](#))

- Generic VNF API : API used to request resources for VNFs (vDNS, vFW and vCPE use cases)
  - Swagger JSON : [VNF-API\(2015-07-20\).json](#) (Readthedocs : [VNF-API](#))
- GENERIC-RESOURCE-API : used to assign resources and create networks for VoLTE and vCPE use cases.
  - Swagger JSON : [GENERIC-RESOURCE-API\(2017-08-24\).json](#) (Readthedocs : [GENERIC-RESOURCE-API](#))
  - Application Interface Document (**Updated for Beijing**): [Generic\\_Resource\\_ONAP\\_AID.docx](#)
  - Blueprint for Capability Contribution and integration to Generic Resource API [Blueprint for Capability Contribution and integration to Generic Resource API.docx](#)
- SDC client : used to listen for distributions from SDC. This is used to receive and consume TOSCA models
- DMAAP listener : used to listen for event notifications from DMAAP.
  - For Amsterdam release, the vCPE use case posts a notification to DMAAP that alerts SDNC when a BRG receives an IP from DHCP. The DMAAP listener then will invoke the GENERIC-RESOURCE-API to set up a WAN connection for that BRG.
  - **For Beijing release, SDN-C will also subscribe to an additional topic on DMAAP to receive LCM events, which will in turn invoke the LCM API.**
- **New for Beijing release:**
  - **LCM (Lifecycle Management) API** - used in Change Management and Manual Scale Out functional requirements to allow SDNC to process lifecycle events for L1-L3 VNFs.
  - The same rest api northbound is used in both SDNC (L1-L3) and APPC (L4-L7) - auto-generated from LCM-API.yang but the "action" parameters that can be sent via that API - some dont work on SDNC like start/stop/restart/evacuate - others like ModifyConfig will work on SDNC
  - See [APP-C LCM API guide](#) for additional information
- Outgoing API:
  - A&AI : SDNC will read/write objects to A&AI. The base aaa-service class is capable of reading/writing any object defined in A&AI XSD schema. The directed graphs for the use cases will drive which specific objects are read/written.
  - External SDNC controllers : SDNC will interface to external SDNC controllers to create underlay/overlay networks (for VoLTE). These external controllers expose a RESTCONF interface, which SDNC will invoke using its restapi-call-node interface.

APIs used by client projects:

Client Project	API(s) used
SO	Generic VNF API (vDNS, vFW, vCPE) GENERIC-RESOURCE-API (VoLTE, vCPE, vFW (CDS use case))
DMaaP	DMaaP Listener
SDC	SDC client