



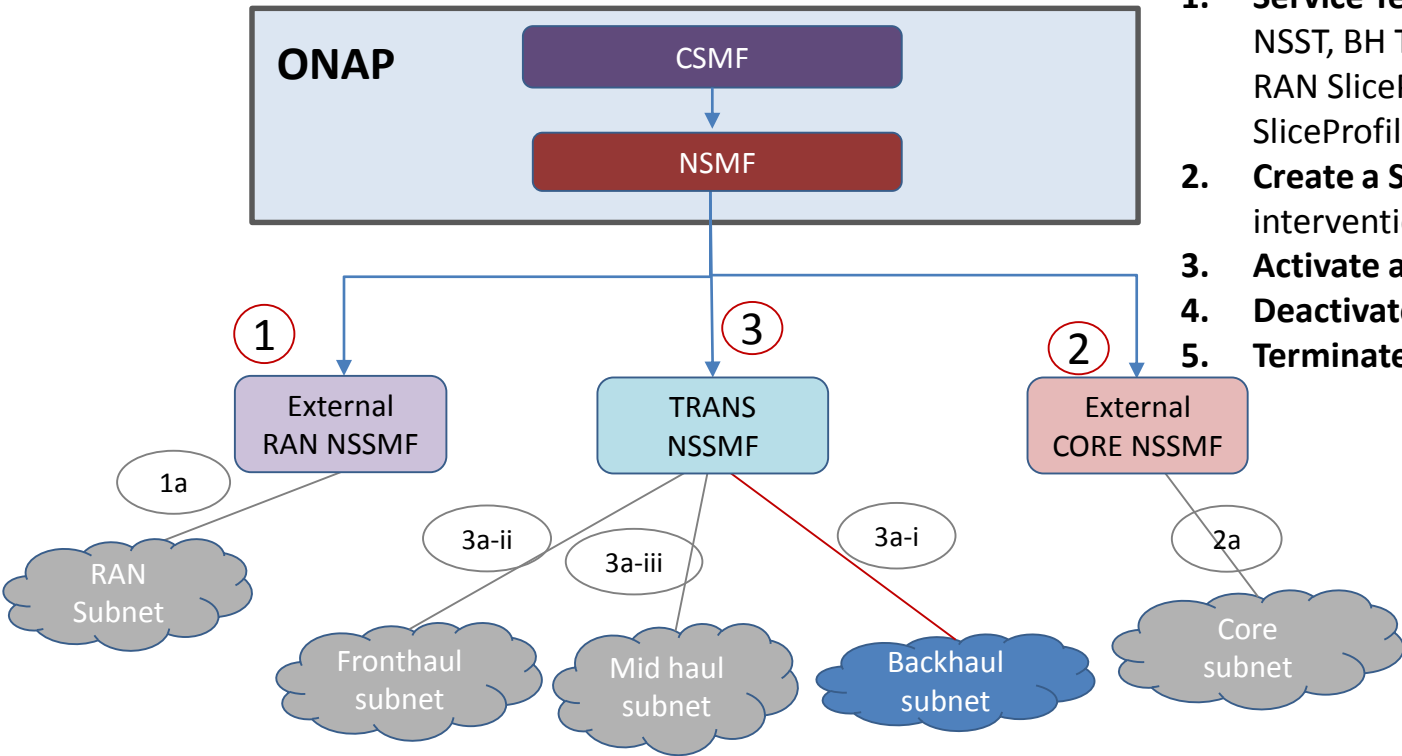
LFN Developer & Testing Forum

# **E2E Network Slicing Demoshow based on Guilin Deliverables**

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# Option2 Solution

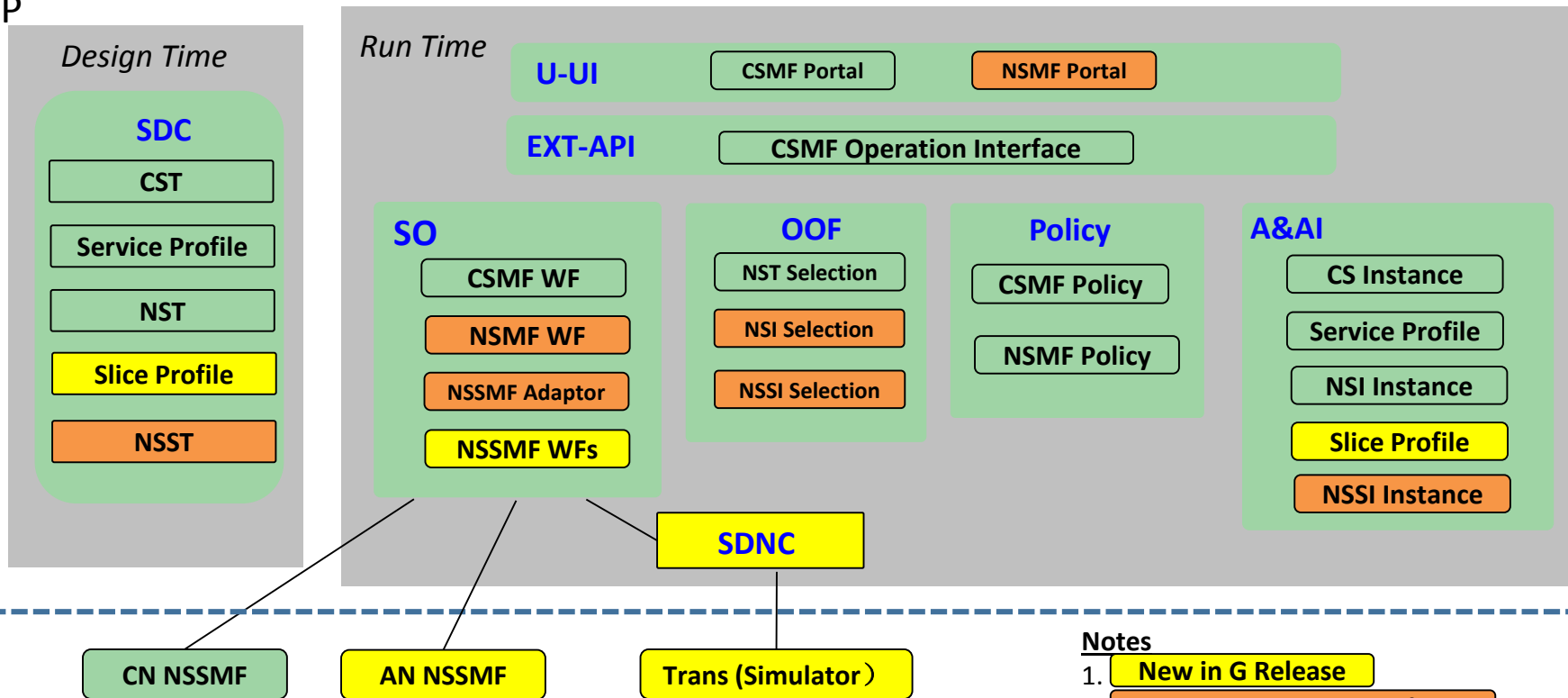


## Functions:

1. **Service Template Design** for CST, NST, RAN NSST, BH TN NSST, CN NSST, ServiceProfile T, RAN SliceProfile T, TN SliceProfile T, CN SliceProfile T.
2. **Create a Slice Service**(including Manual intervention on NSMF Portal)
3. **Activate a Slice Service**
4. **Deactivate a Slice Service**
5. **Terminate Slice Service**

# Architecture Enhancements

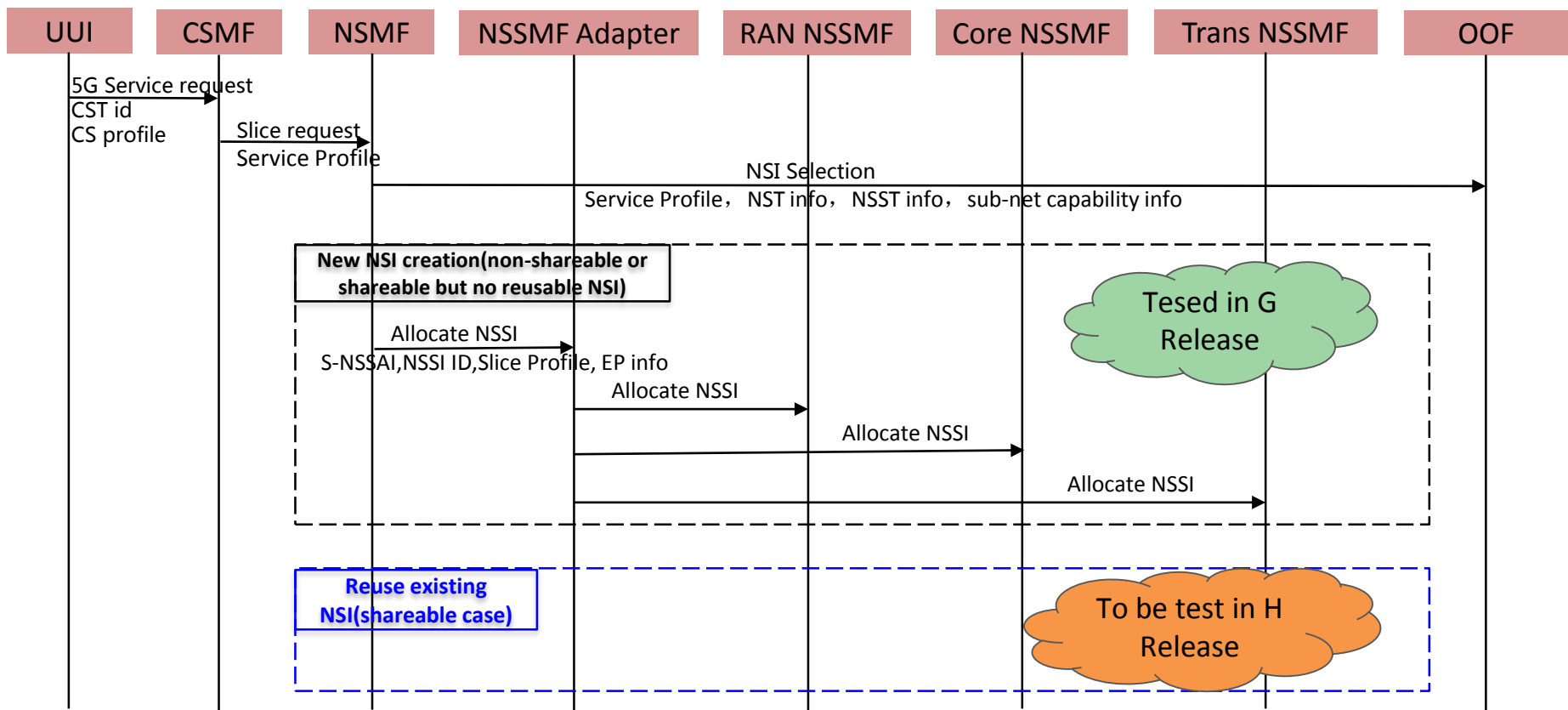
## ONAP



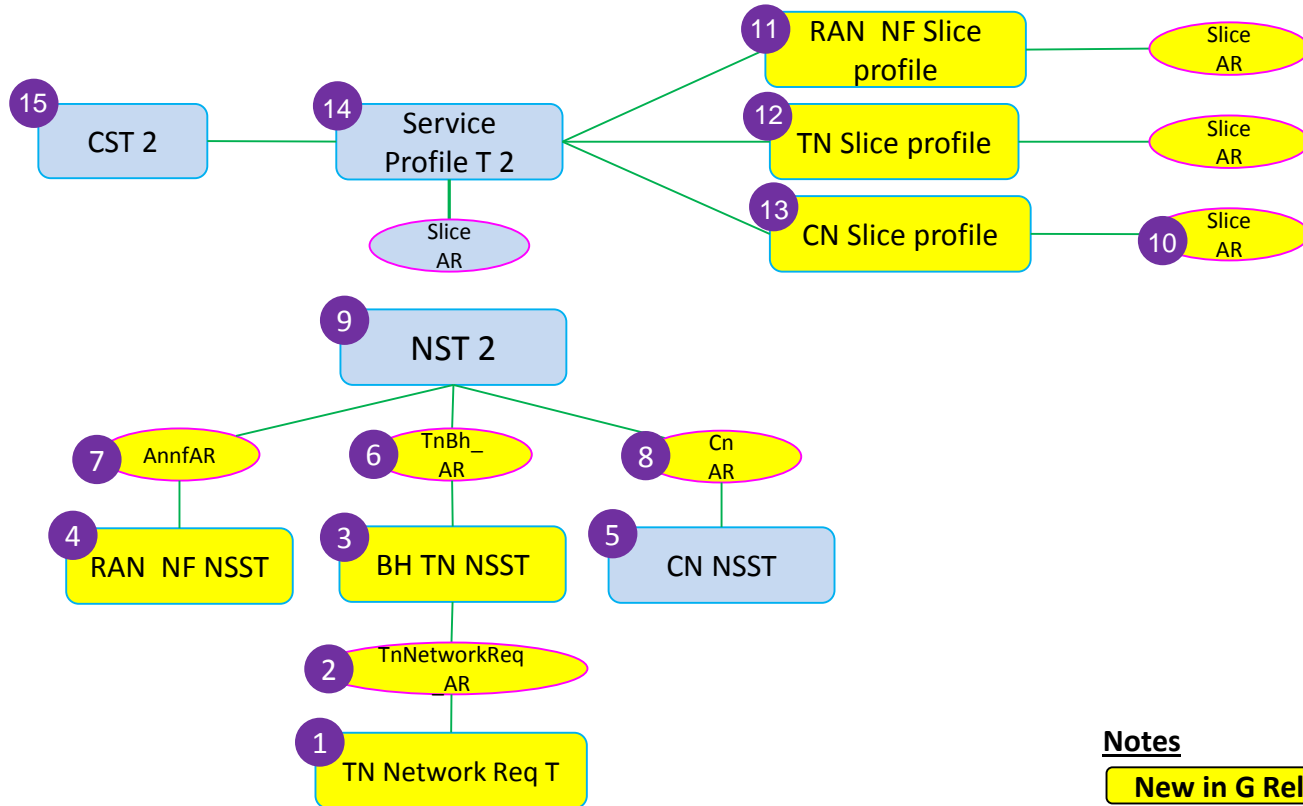
### Notes

1. New in G Release
2. Improvements in G Release

# Tested Flow for Allocating a Slice



# SDC Service Template Design



## Notes

**New in G Release**

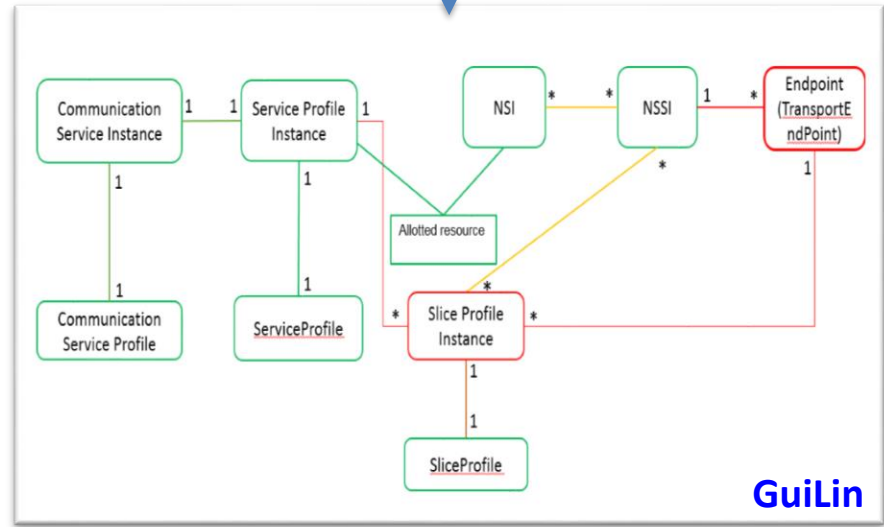
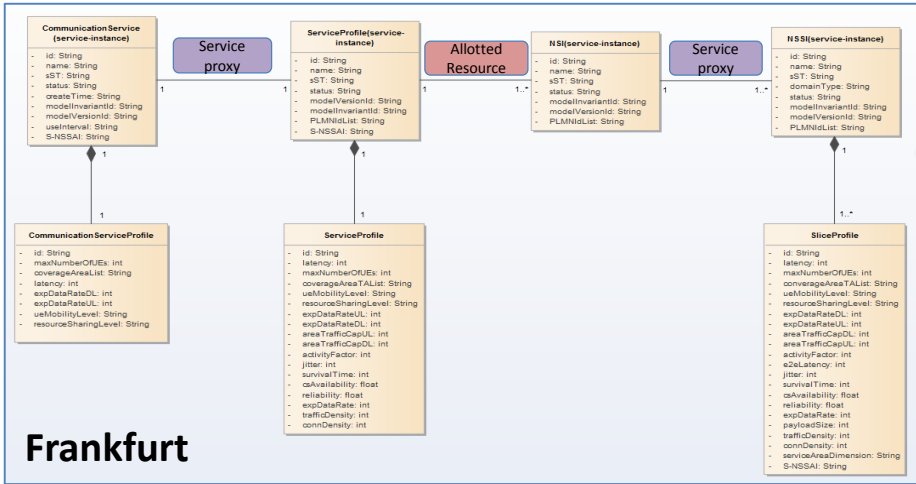
# SDC Service Template Design

The screenshot displays the ONAP Portal interface for SDC v.1.7.1. The main content area shows a grid of service templates, each represented by a card with a status icon (S for Service, R for Resource) and a title with version number. The cards are arranged in a 3x5 grid. A large orange border highlights the first two rows of the grid. A semi-transparent grey box with the text 'Template Design' is overlaid at the bottom of the grid.

Template Name	Version	Status
Tn_ONAP_internal_BH	V 3.1	In Design Check Out
TN_Network_Req_AR	V 4.0	Certified
CST_O2	V 1.0	Distributed
SliceProfile_TN	V 2.0	Distributed
EmbbNst_O2	V 2.0	Distributed
EmbbAn_NF	V 1.0	Distributed
SliceProfile_AN_O2	V 2.0	Distributed
Tn_ONAP_internal_BH	V 3.0	Distributed
SliceProfile_CN	V 2.0	Distributed
EmbbCn_External	V 1.0	Distributed
ServiceProfile_O2	V 1.0	Distributed
Tn_BH_AR	V 2.0	Certified
EmbbAn_NF_AR	V 1.0	Certified
EmbbCn_External_AR	V 1.0	Certified



# AAI Runtime Model Enhancements



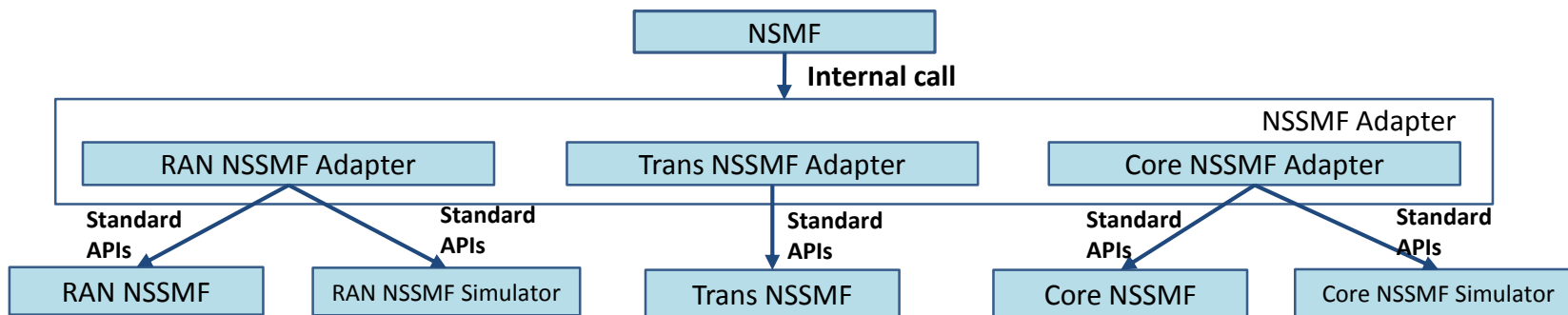
# SO Module Enhancements

- **NSMF and Common NSSMF sequence diagram**

Please refer to the following link:

<https://wiki.onap.org/display/DW/NSMF+and+Common+NSSMF>

- **NSSMF Adapter APIs**



Link: <https://wiki.onap.org/display/DW/NSSMF+Adapter>

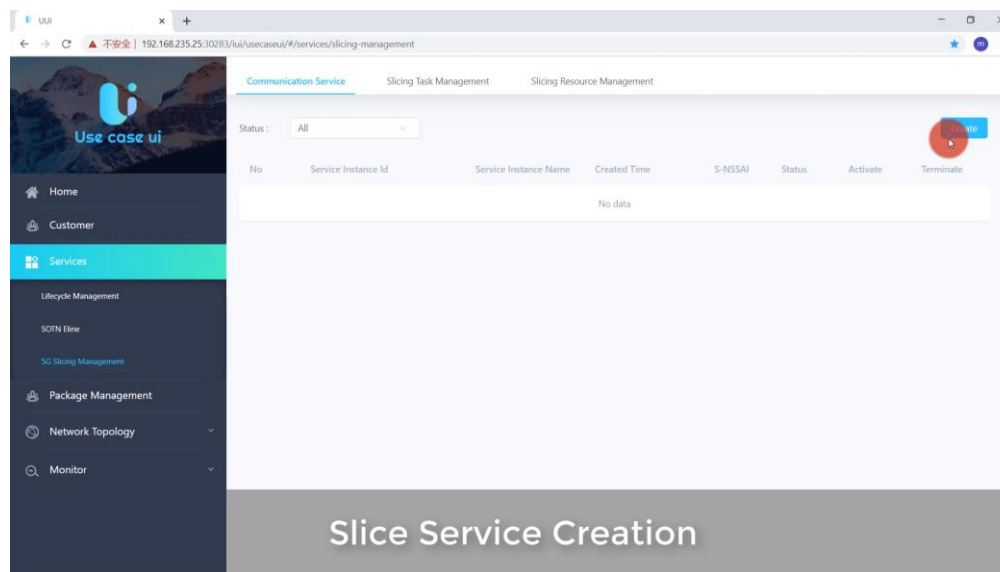


Simulators for 5G Network Slicing Use Case have been merged or are being merged into the Integration project.

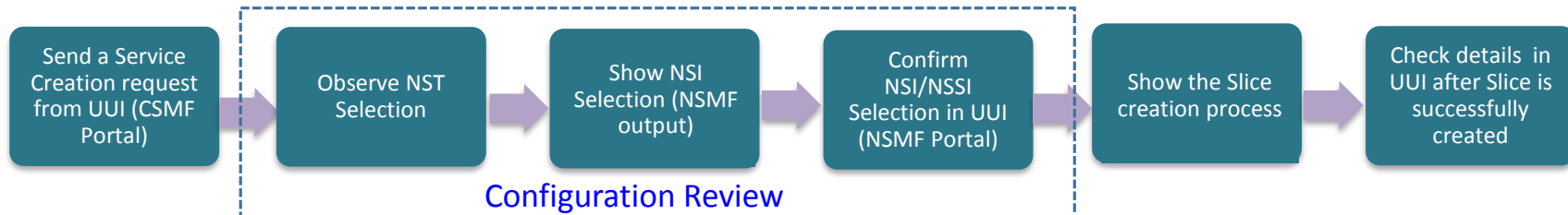
```
integration/  
| — simulators  
| | — 5G-core-nf-simulator(merged)  
| | — core-nssmf-simulator(Option2)  
| | — ran-nssmf-simulator(Option2)  
| | — ran-simulator(merged)
```

ACTN Simulator(for TN) will be add to integration project in H Release.

# 5G Network Slicing Demo Show



Slice Service Creation



# 5G Network Slicing Demo Show

Use case ui

Communication Service | Slicing Task Management | Slicing Resource Management

Status: All Create

No	Service Instance Id	Service Instance Name	Created Time	S-NSSAI	Status	Activate	Terminate
1	1e99a783-510c-4899-98e0-2bd725f9a0a7	TestSliceProfile	2021-01-26 20:37:34	01-71FFA3C3	deactivated		

10/ page

Activation



# Operation Guidance for G Release

Link: <https://wiki.onap.org/display/DW/Operation+Guidance+for+Option2>

The following parts on this page are designed for you to experience the 5G Network Slicing Use Case.

[Install Minimum Scope ONAP for Option2](#)(Combine H Release)

Install Simulators

[External RAN NSSMF](#)

[External Core NSSMF Simulator Use Guide](#)

[ACTN Simulator User Guide](#)

[Template Design for Option2](#)

[Manual Configuration after installation](#)(Combine H Release)

[UI Operation Guidance for Guilin](#)



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