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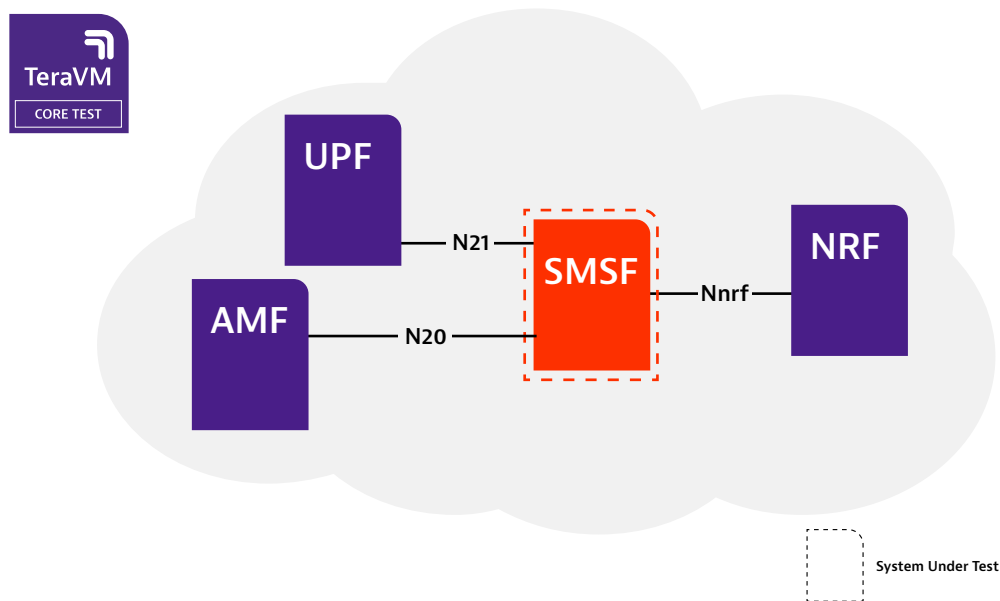
TeraVM SMSF Wraparound Test

SMSF Test

The SMS Function (SMSF) is responsible for transferring SMS over the NAS interface (gNB to Core).
The SMSF is responsible for:

- SMS management subscription data checking
- Relay the Short Message from UE towards the SMS-GSMC router and back

Testing an SMSF requires emulating an AMF, UPF and NRF and initiating the procedures to the SMSF for testing the compliance and integrity of the SMSF functions.



SMSF Test Cases

TeraVM SMSF wraparound test supports the following test procedures:

- SMSF Registration to NRF
- Registration for SMS over NAS
- Deregistration for SMS over NAS
- MO SMS over NAS
- MT SMS over NAS

Example Test Case

Registration for SMS over NAS (Nsmsf_SMSservice_Activate):

After receiving a UE Registration Request, the AMF interrogates the NRF for the SMSF address and then registers for SMS service with procedure Nsmsf_SMSservice_Activate with Active type, AMF id, SUPI and UE location. After registering the request in the UDM the Registration Accept procedure is returned to the AMF.

Order Codes

SMSF wraparound test is available with the following product codes:

Part Number	Description	Capacity	Support
TVM3000	Dell Server for Core Test	—	HWSUP PPG15
TVM3149	SMSF wraparound test	—	



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