

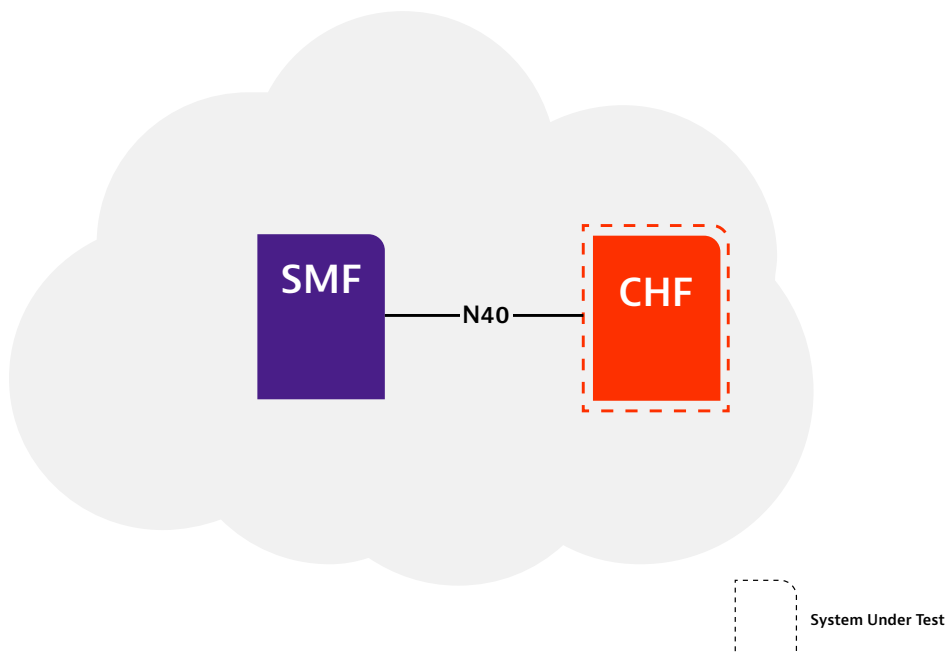
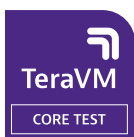
VIAVI

TeraVM CHF Wraparound Test

CHF Test

The CHF is a 5G SA Core Network element responsible for collecting online and offline charging details from the network.

The CHF wraparound test supports the N40 interface (SMF – CHF) and implements the Nchf service based interface. The emulated SMF sends Charging Data Requests to the CHF under test for services to be granted authorization to commence. The CHF uses the corresponding Rating Group parameters to calculate the monetary value of the units requested and checks whether the User's 'balance', which is in the User menu, is sufficient for the reservation to be made. If the User's 'balance' (maintained by the CHF) is sufficient then the corresponding reservation is made and the CHF grants the requested units in the Charging Data Response message sent back to the SMF.



Example Test Case

Converged Charging Create procedure (Npcf_AMPolicyControl_Create):

CHF under test receives 'Converged Charging Service create procedure' from the VIAMI emulated SMF. This procedure instructs the CHF to create a resource at service establishment and allocate quotas based on this request. During the service consumption an update procedure can be requested to determine the quota usage to ensure the subscriber has sufficient 'funds' to carry out the service.

Order Codes

CHF wraparound test is available with the following product codes:

Part Number	Description	Capacity	Support
TVM3000	Dell Server for Core Test	—	HWSUP PPG15
TVM3197	CHF wraparound test	—	



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