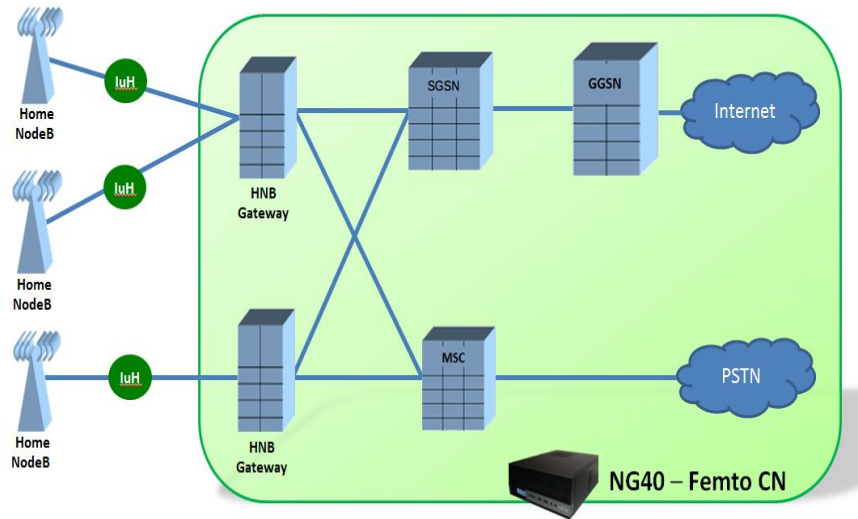


NG40-CN-IuH-DT

SW Bundle: CN side demonstration test emulator for multiple HNBGWs with ControlPlane and UserPlane functionality.

- HSS/HLR and GGSN functionality as seen on IuH interface is included
- Multiple Access Points (HNB's) support per HNBGW
- 2 users/test instances

Mobility

- RUA/HNBAP/RANAP/NAS Release 8+9
- NAS/RANAP Mobility procedures including UE/HNB (De-) Registration (HNB/HNBGW initiated)
- Handin/Handout from/to Femto and Macro
- IuFlex NRI-based and MOCN
- HSUPA/HSDPA support

Session

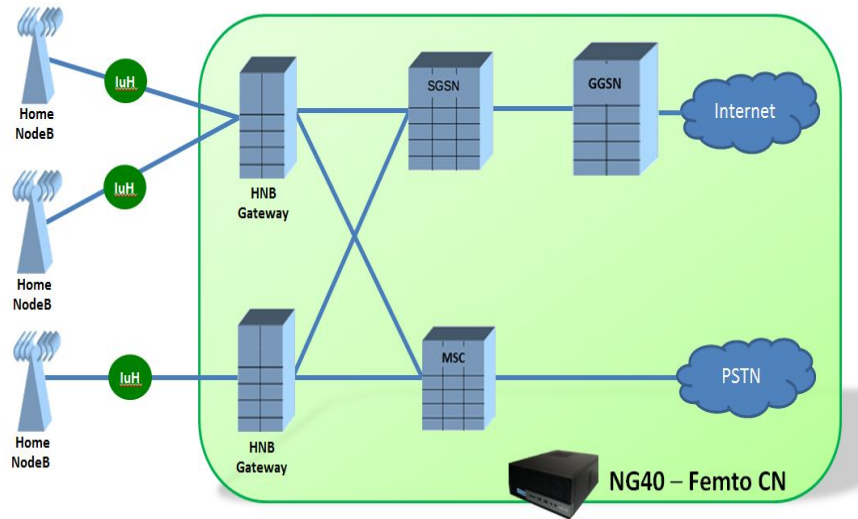
- PDP-Context creation/modification/deletion (UE/Network initiated)
- 11 simultaneous PDP context

Features/Services

- Authentication (XOR/Milenage) for 3G USIM's, A3A8 for 2G SIM's
- SMS including concatenated (long) SMS
- Display of network info (short/long network name)
- IPv4/IPv6 Transport IP for UserPlane/ControlPlane and CS and PS domains
- Bridge to external servers (Gi interface)
- Integrated PS UserPlane packet generator
- UserPlane PS (GTP) IPv4 and IPv6 Application IP, UserPlane CS(RTP) AMR and Video

Demonstration test performance limitation:

- signaling performance: 10 procedures/s
- 15 Mbps rx and 15 Mbps tx
- 10 parallel calls
- 200 UEs
- default number of HNBGWs: 2
- default number of HNBs: 4

NG40-CN-IuH-FT

SW Bundle: CN side functional test emulator for multiple HNBs with ControlPlane and UserPlane functionality.

- HSS/HLR and GGSN functionality as seen on IuH interface is included
- Multiple Access Points (HNB's) support per HNB
- 2 users/test instances

Mobility

- RUA/HNBAP/RANAP/NAS Release 8+9
- NAS/RANAP Mobility procedures including UE/HNB (De-) Registration (HNB/HNBGW initiated)
- Handin/Handout from/to Femto and Macro
- IuFlex NRI-based and MOCN
- HSUPA/HSDPA support

Session

- PDP-Context creation/modification/deletion (UE/Network initiated)
- 11 simultaneous PDP context

Features/Services

- Authentication (XOR/Milenage) for 3G USIM's, A3A8 for 2G SIM's
- SMS including concatenated (long) SMS
- Display of network info (short/long network name)
- IPv4/IPv6 Transport IP for UserPlane/ControlPlane and CS and PS domains
- Bridge to external servers (Gi interface)
- Integrated PS UserPlane packet generator
- UserPlane PS (GTP) IPv4 and IPv6 Application IP, UserPlane CS(RTP) AMR and Video
- Message modification, deletion and insertion with commreplace (drop&insert) tool and Python scripts

Functional test performance limitation:

- 100 procedures/sec
- 150 Mbps rx and 150 Mbps tx
- 100 parallel calls
- 20000 UEs
- max. number of HNBGWs: 10
- default number of HNBs: 40