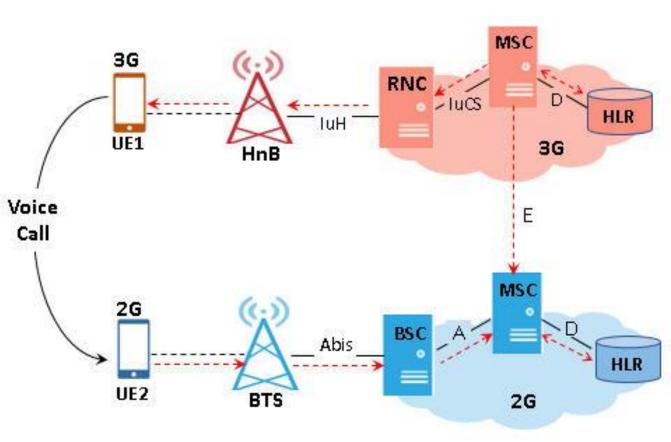
Inter-Network Calls - 3G user Calling 2G user

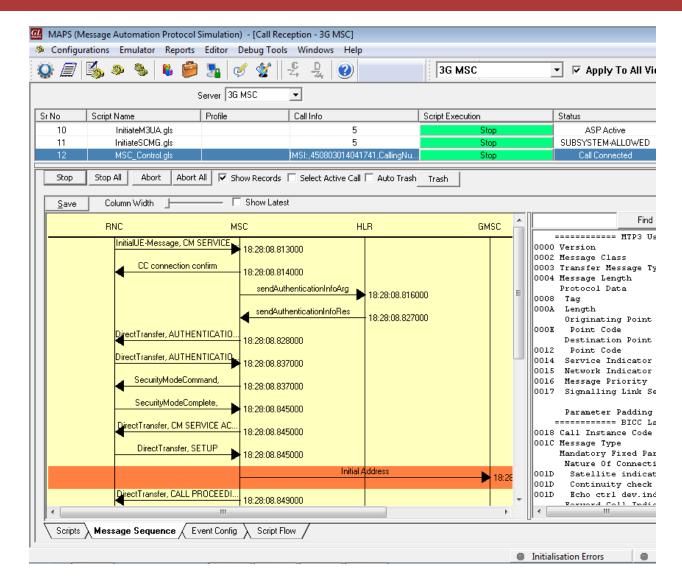
- UE1 placing call to UE2 while both the users reside in their home network.
- Location is updated for both the users in their home network (home HLR). MSC maintains a map table for IMSI and MSISDN of all the registered users.
- When a voice call or SMS call is placed from UE1 to UE2, MSC on 3G network receives call from UE1 and checks for the received MSISDN registration using MAP table. If MAP is found then call is routed within same network otherwise call is routed to 2G MSC. MSC in the 2G network routes the request to2G user.
- For simulated calls, generate call from MAPS RNC using IuCS_Call-3G-2G.gls script





Inter-Network Calls - 3G user Calling 2G user

- CM SERVICE REQUEST message is sent to 3G MSC
- Authentication procedure is initiated at the HLR Node
- When Setup Message (Voice Call) is received, MSC checks whether Called MSISDN is registered to 3G Network. If not, the Initial Address (BICC Call is initiated) towards GMSC.





Inter-Network Calls - 3G user Calling 2G user

- 2G MSC extracts called MSISDN from the received Initial Address Message and if the user registration is verified with the network, Paging is initiated towards BSC.
- On reception of PAGING, BSC will respond with Paging Response and end-to-end call is established from 2G user to 3G user.

