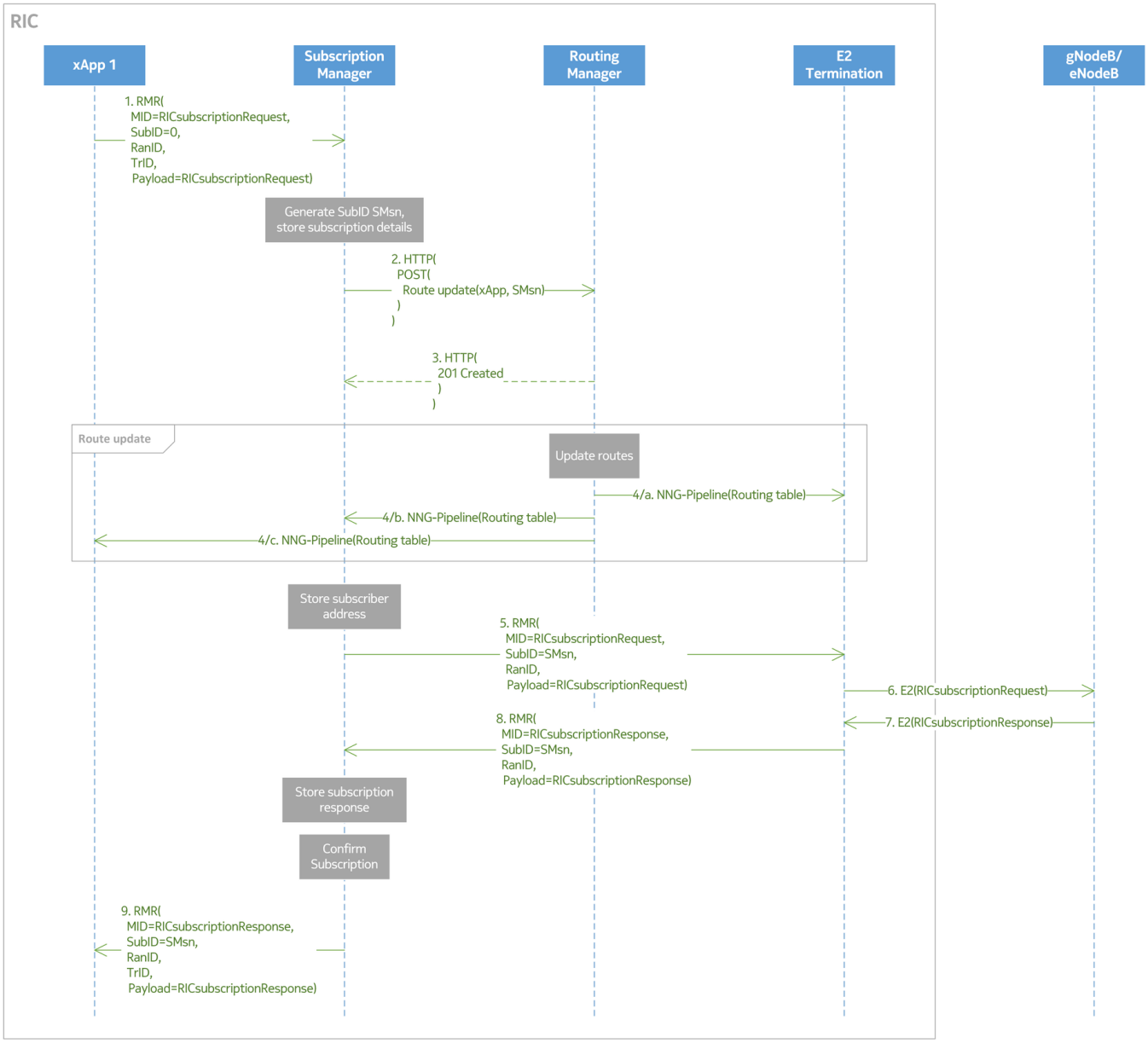
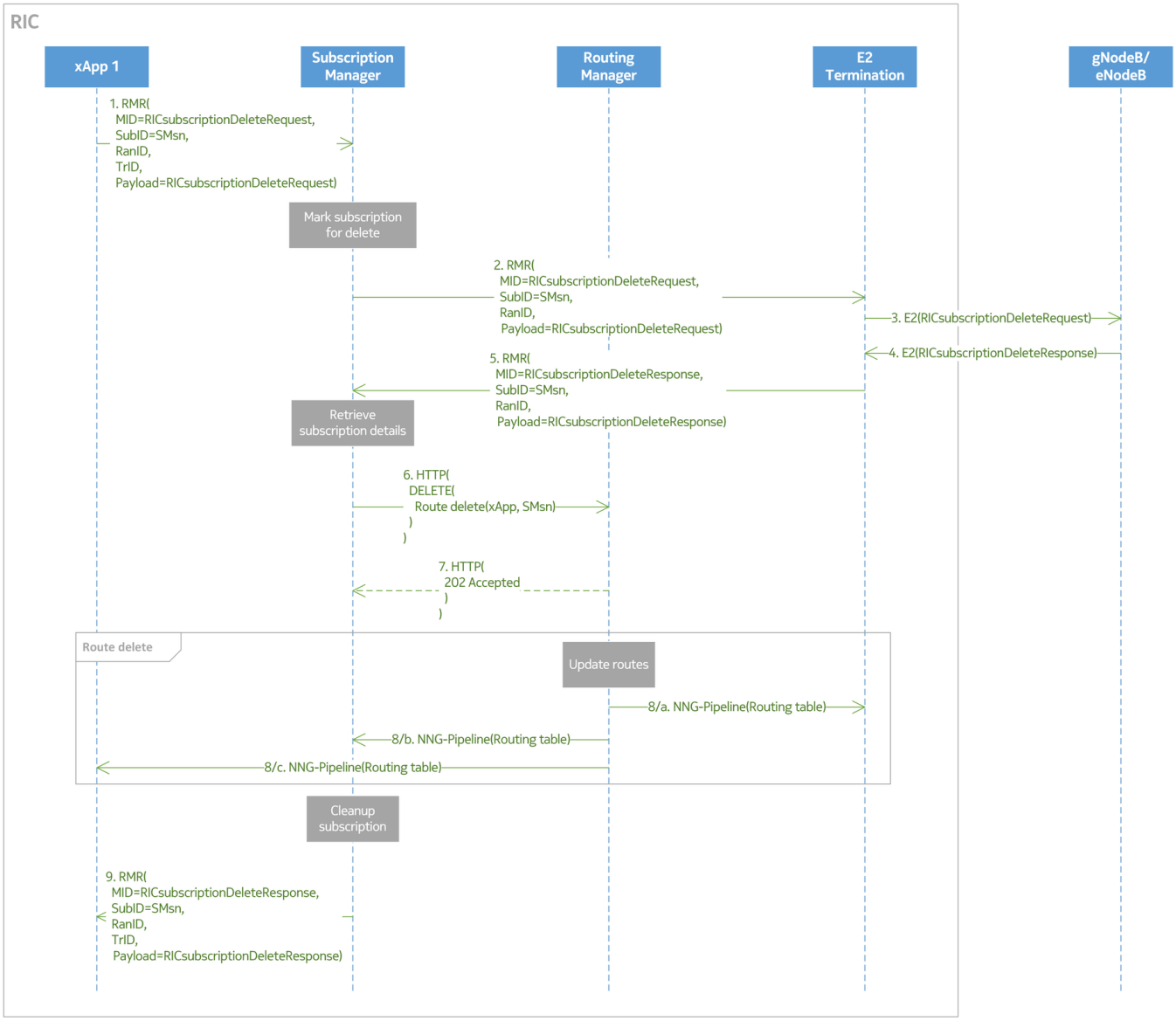
Routing Manager and Subscription Manager

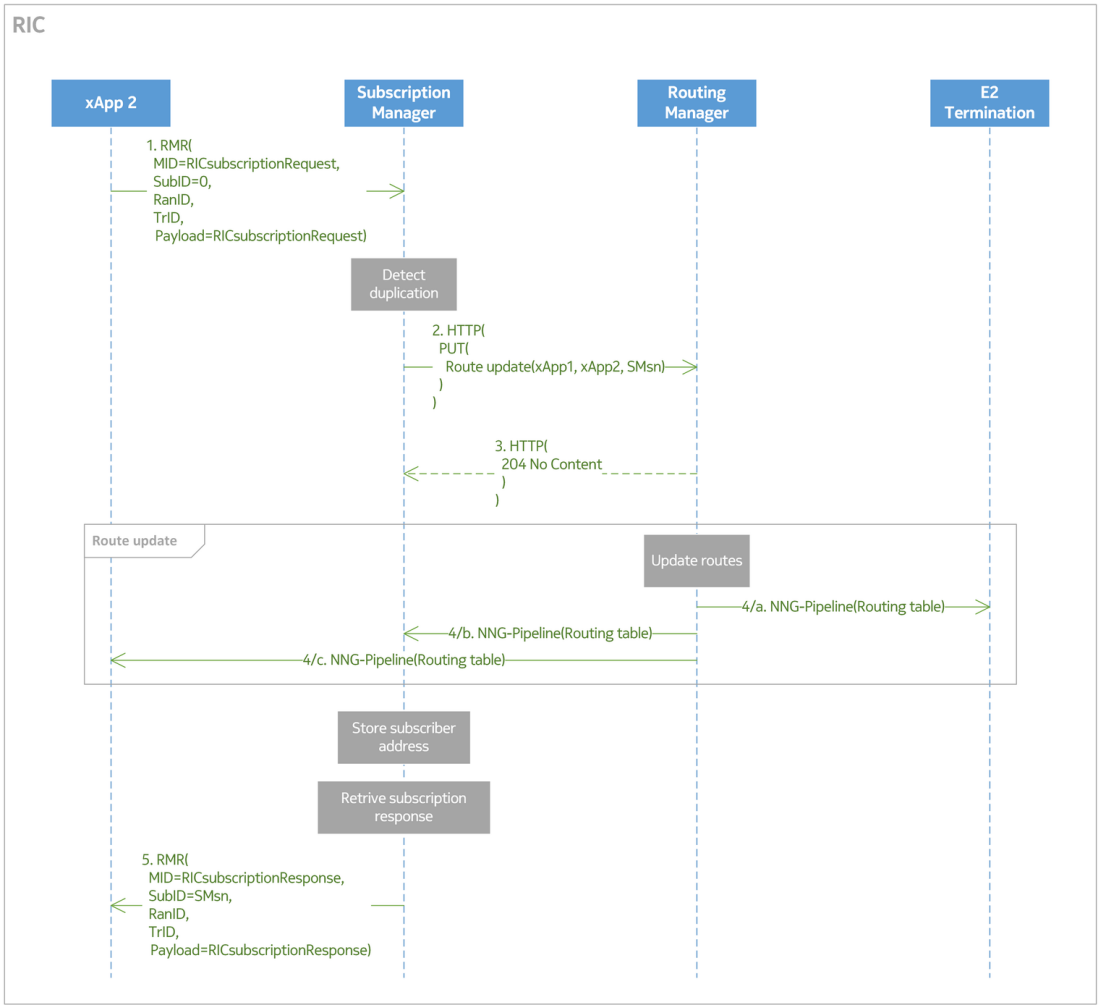
Initial subscription



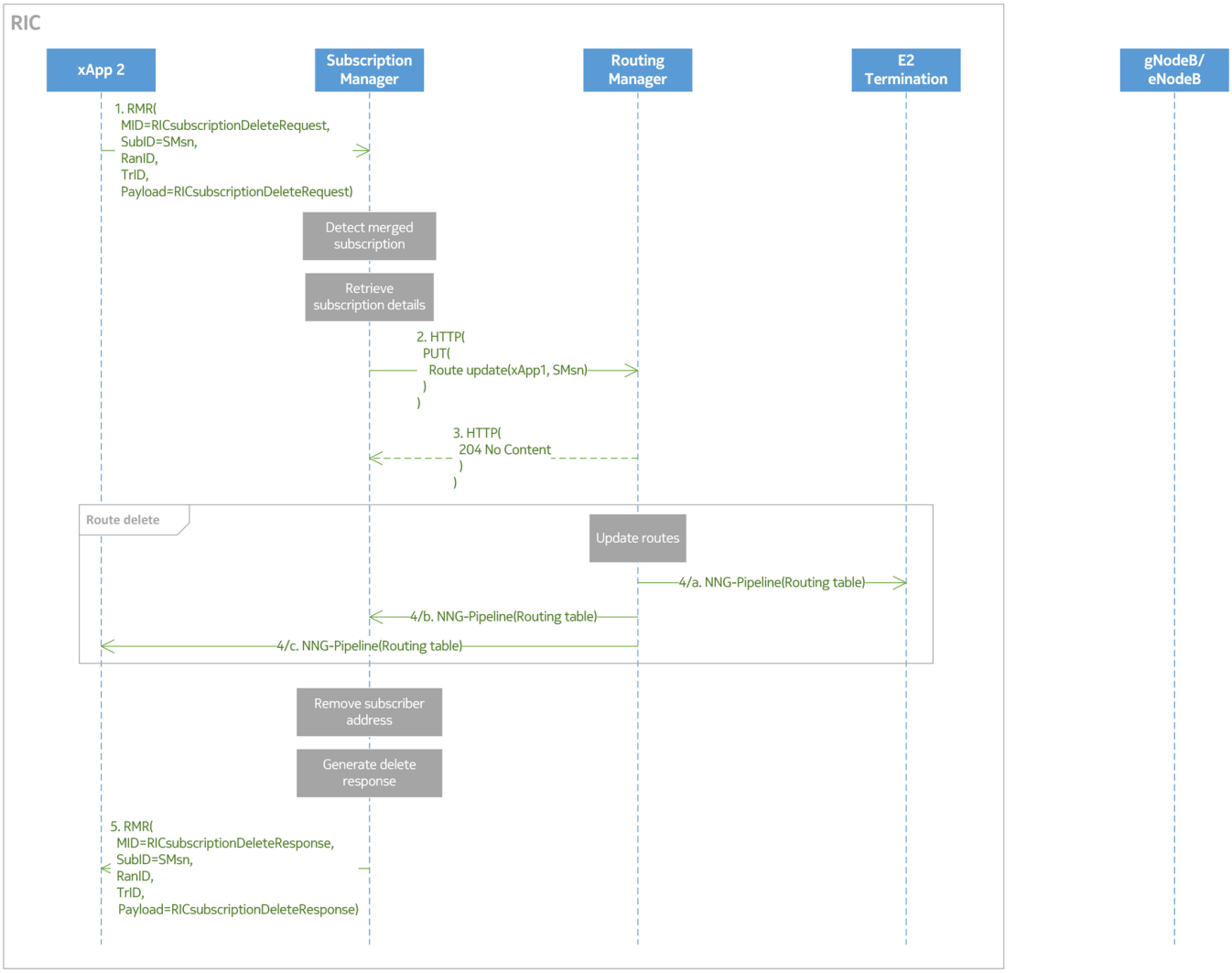
Subscription delete



Subscription merge



Subscription merge delete


RIC
xApp 2
Subscription Manager
Routing Manager
E2 Termination
gNodeB/ eNodeB
1. RMR(MID=RICsubscriptionDeleteRequest, SubID=SMsn, RanID, TrID, Payload=RICsubscriptionDeleteRequest)
Detect merged subscription
Retrieve subscription details
2. HTTP(PUT(Route update(xApp1, SMsn)))
3. HTTP(204 No Content))
Route delete
Update routes
4/a. NNG-Pipeline(Routing table)
4/b. NNG-Pipeline(Routing table)
4/c. NNG-Pipeline(Routing table)
Remove subscriber address
Generate delete response
5. RMR(MID=RICsubscriptionDeleteResponse, SubID=SMsn, RanID, TrID, Payload=RICsubscriptionDeleteResponse)