UE
Source eNodeB
Target eNodeB
Source MME
Target MME
Source Serving GW
Target Serving GW
PDN GW
HSS
Downlink User Plane data
1. Decision to trigger a relocation via S1
2. Handover Required
3. Forward Relocation Request
4. Create Session Request
4a. Create Session Response
5. Handover Request
5a. Handover Request Acknowledge
6. Create Indirect Data Forwarding Tunnel Request
6a. Create Indirect Data Forwarding Tunnel Response
7. Forward Relocation Response
8. Create Indirect Data Forwarding Tunnel Request
8a. Create Indirect Data Forwarding Tunnel Response
9. Handover Command
9a. Handover Command
9b. Secondary RAT Dat Reporting
10. eNB Status Transfer
10a. Forward Access Context Notification
10b. Forward Access Context Acknowledge
10c. MME Status Transfer
11a. Only for Direct forwarding of data
11b. Only for Indirect forwarding of data
Detach from old cell and synchronize to new cell
12. Handover Confirm
Downlink data
Uplink User Plane data
13. Handover Notify
14. Forward Relocation Complete Notification
14b. Forward Relocation Complete Acknowledge
15. Modify Bearer Request
16. Modify Bearer Request
(A)
16a. Modify Bearer Response
17. Modify Bearer Response
Downlink User Plane data
18. Tracking Area Update procedure
19c. Delete Session Request
19a. UE Context Release Command
(B)
19b. UE Context Release Complete
19d. Delete Session Response
20a. Delete Indirect Data Forwarding Tunnel Request
20b. Delete Indirect Data Forwarding Tunnel Response
21a. Delete Indirect Data Forwarding Tunnel Request
21b. Delete Indirect Data Forwarding Tunnel Response