LTE Basic Call Flows

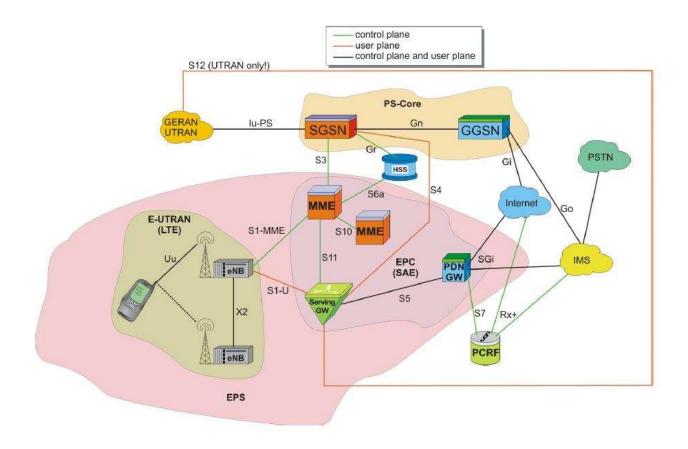
By Justin MA Created: June 2014 Updated: 2014_1230

Date and Version	Author	Change Note
2014_0630; v1.0	Justin MA	Basic call flows
2014_1230; v1.1	Justin MA	LTE Attach Procedure in EPS and IMS

Topics:

- LTE and SAE networks
- Bearer Architecture
- LTE Attach Callflow in eUu
- LTE Attach Procedure in EPS and IMS
- Summary of Initial Attach Procedures
- Initial Call Setup
- Procedure for IMSI Acquisition
- Procedure for Authentication
- Procedure for NAS Security Setup
- Procedure for Location Update
- Procedure for EPS Session Establishment
- Procedure for EPS entity before Initial Attach
- Procedure for EPS entity after Initial Attach
- UE Initiated Service Request
- Network Initiated Idle to Active Transition
- Active to Idle Transition
- MME Initiated Detach
- UE Initiated Detach

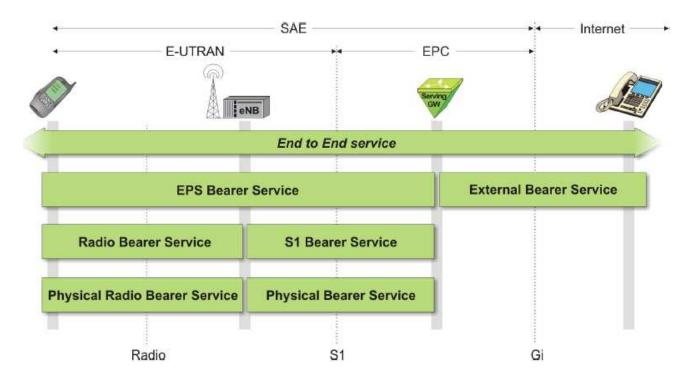
LTE and SAE networks



Ref:

INACON GmbH

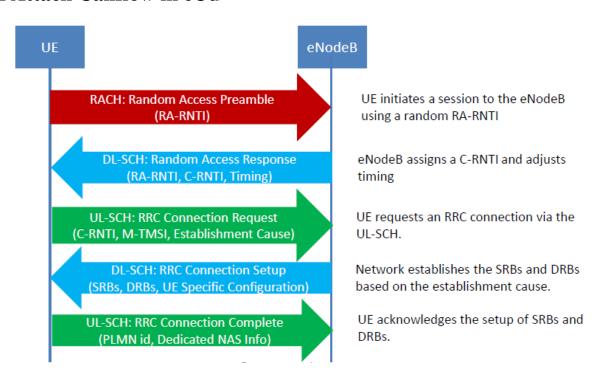
Bearer Architecture



Ref.

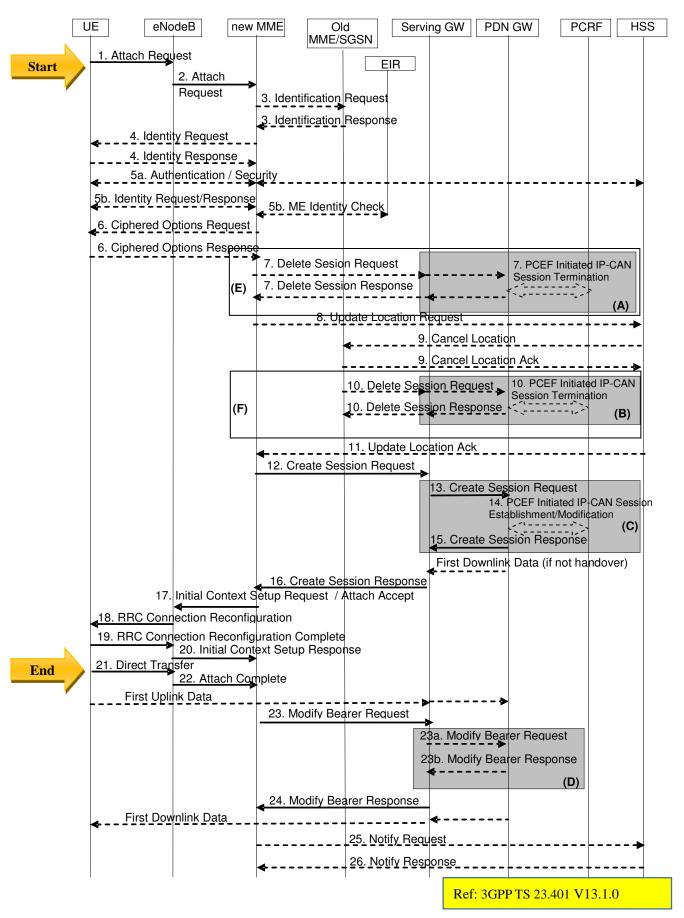
INACON GmbH

LTE Attach Callflow in eUu

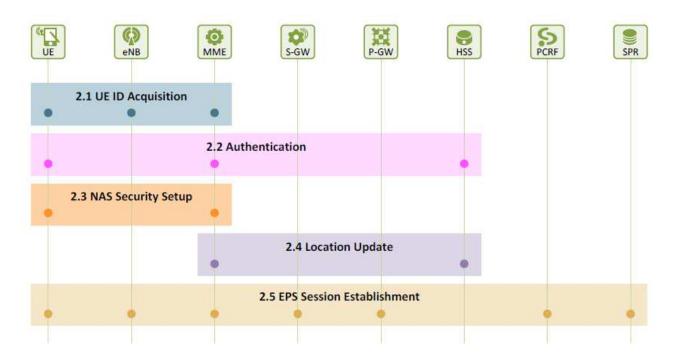


Ref: EventHelix.com

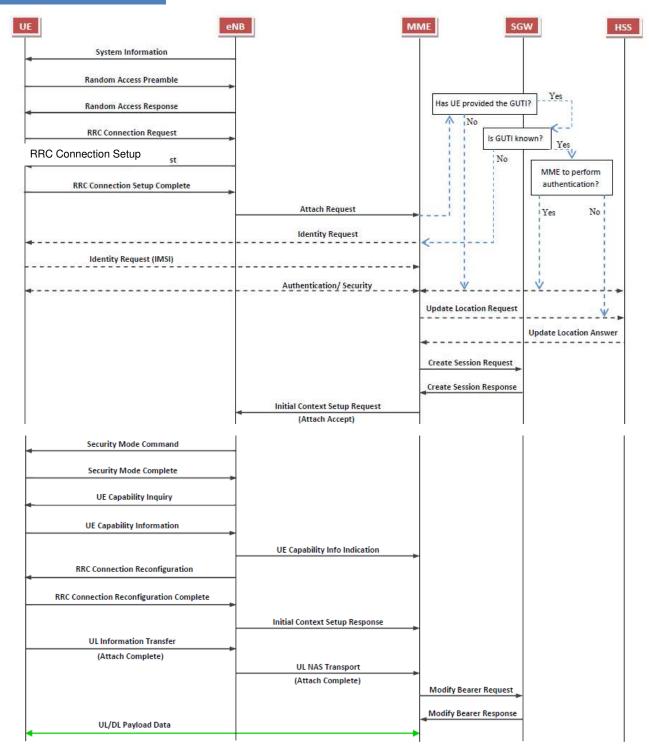
LTE Attach Procedure in EPS and IMS



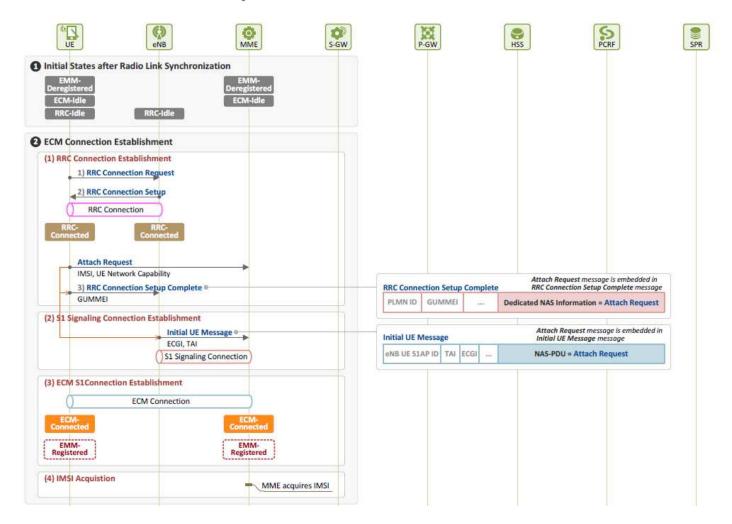
Summary of Initial Attach Procedures



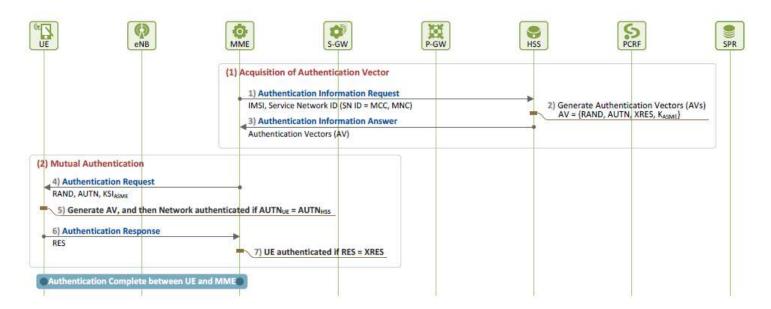
Initial Call Setup



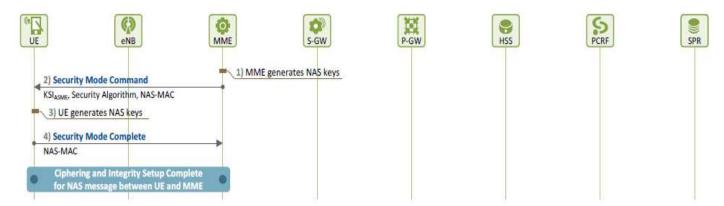
Procedure for IMSI Acquisition



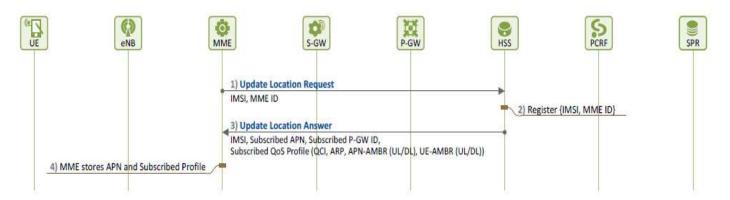
Procedure for Authentication



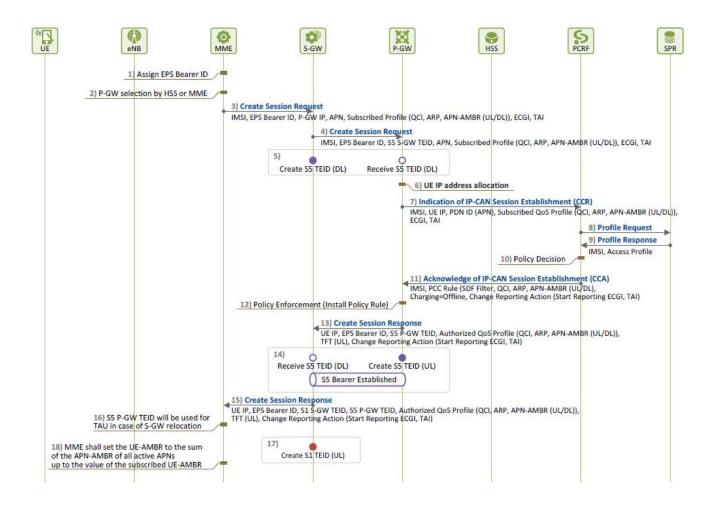
Procedure for NAS Security Setup



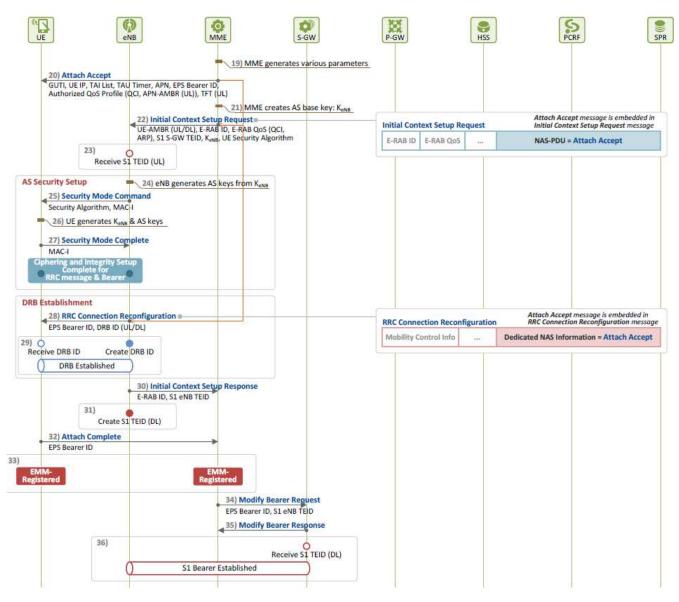
Procedure for Location Update



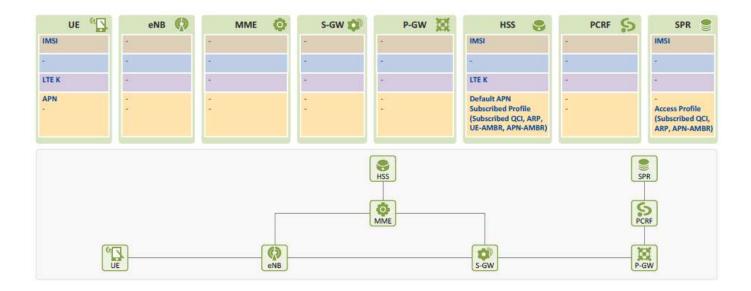
Procedure for EPS Session Establishment (1)



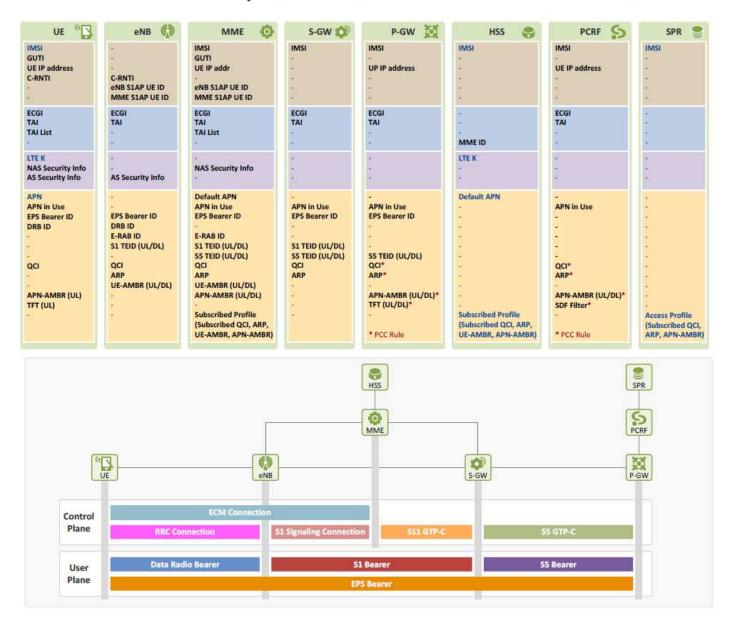
Procedure for EPS Session Establishment (2)



Information in EPS entity before Initial Attach

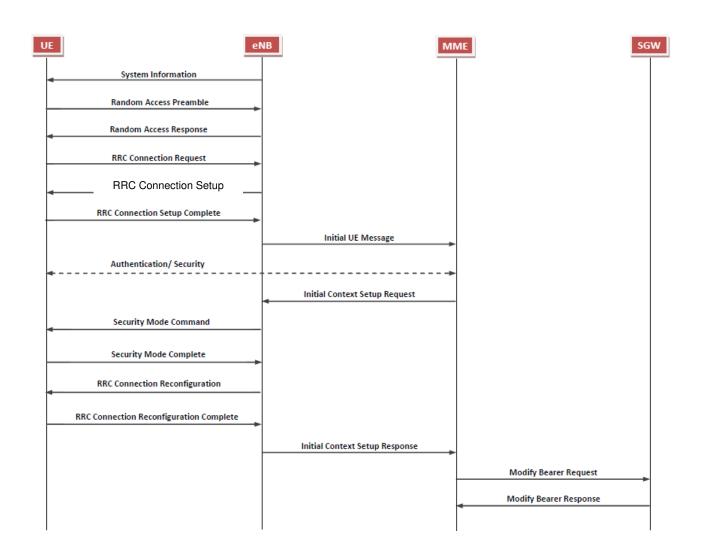


Information in EPS entity after Initial Attach

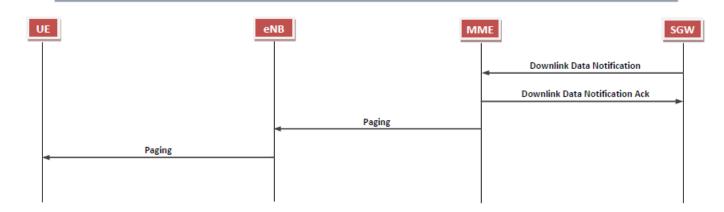




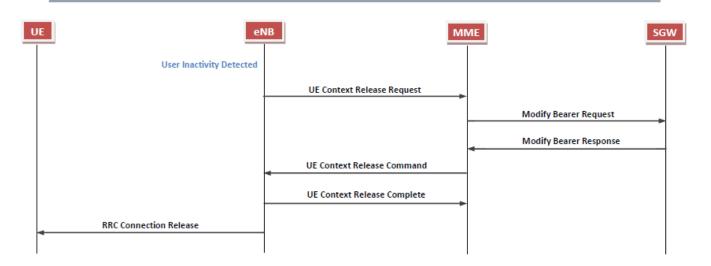
UE Initiated Service Request



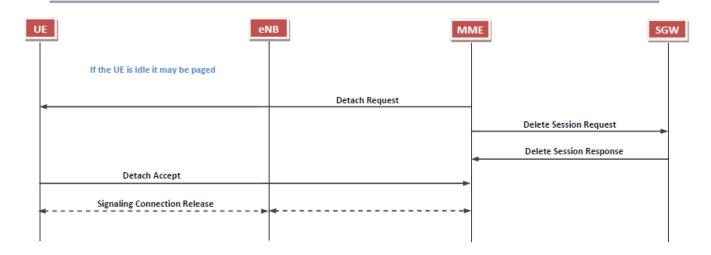
Network Initiated Idle to Active Transition



Active to Idle Transition



MME Initiated Detach



UE Initiated Detach

