Протоколы и интерфейсы БС LTE. Лекция 2.

Процедура attach в wireshark

ВЛАД РЫЖОВ

Fast Track в Телеком, 2024









Что сегодня будет происходить? Адженда

Повторение теории процедуры attach

10 минут

Демонстрация примера

15 минут

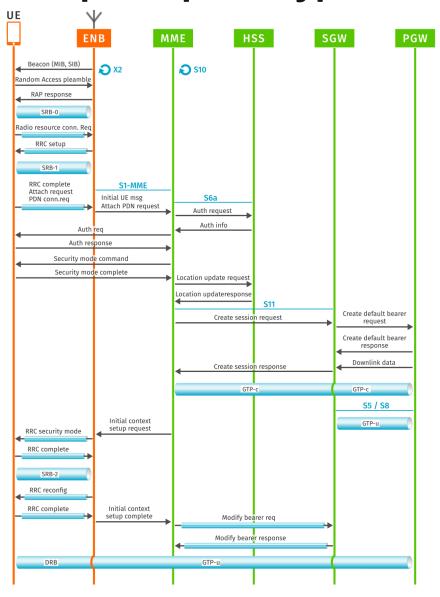
10 минут

Демонстрация примера

15 минут

Step	Direction	Channel	Message
1	UE < NW	BCCH -> BCH, No MAC Header,RLC TM, No PDCP	MIB
2	UE < NW	BCCH -> DL SCH, No MAC Header,RLC TM, No PDCP	SIBs
3	UE> NW	PRACH -> RACH, No MAC Header,No RLC, No PDCP	PRACH Preamble
4	UE < NW	RACH -> DL SCH, No MAC Header,No RLC, No PDCP	RACH Response
5	UE> NW	UL SCH -> UL CCCH MAC Header,No RLC, No PDCP	RRC Connection Request
6	UE < NW	DL CCCH -> DL SCH MAC Header,No RLC, No PDCP	RRC Connection Setup
7	UE> NW	UL SCH -> UL DCCH MAC Header, <mark>RLC AM</mark> , PDCP	RRC : RRC Connection Setup Complete + NAS : Attach Request (ESM:PDN Connectivity Request)
8	UE < NW	DL DCCH -> DL SCH MAC Header, <mark>RLC AM</mark> , PDCP	RRC : dlInformationTransfer EMM : Authentication Request
9	UE> NW	UL SCH -> UL DCCH MAC Header, <mark>RLC AM</mark> , PDCP	RRC : ulInformationTransfer EMM : Authentication Response
10	UE < NW	DL DCCH -> DL SCH MAC Header,RLC AM, PDCP	RRC : dlInformationTransfer EMM : Security Mode Command
11	UE> NW	UL SCH -> UL DCCH MAC Header, <mark>RLC AM</mark> , PDCP	RRC : ulInformationTransfer EMM : Security Mode Complete
12	UE < NW	DL DCCH -> DL SCH MAC Header, <mark>RLC AM</mark> , PDCP	RRC : Security Mode Command
13	UE> NW	UL SCH -> UL DCCH MAC Header, <mark>RLC AM</mark> , PDCP	RRC : Security Mode Complete
14	UE < NW	DL DCCH -> DL SCH MAC Header, <mark>RLC AM</mark> , PDCP	RRC : RRC Connection Reconfiguration EMM : Attach Accept ESM : Activate Default EPS Bearer Context Request
15	UE> NW	UL SCH -> UL DCCH MAC Header,RLC AM, PDCP	RRC : RRC Connection Reconfiguration Complete
16	UE> NW	UL SCH -> UL DCCH MAC Header, <mark>RLC AM</mark> , PDCP	RRC : ulDirectTransfer EMM : Attach Complete ESM : Activate Default EPS Bearer Context Accept
17	UE < NW	DL DCCH -> DL SCH MAC Header,RLC AM, PDCP	RRC : RRC Connection Release







10 минут

Демонстрация примера

15 минут



