EPC Solution for Small Cells

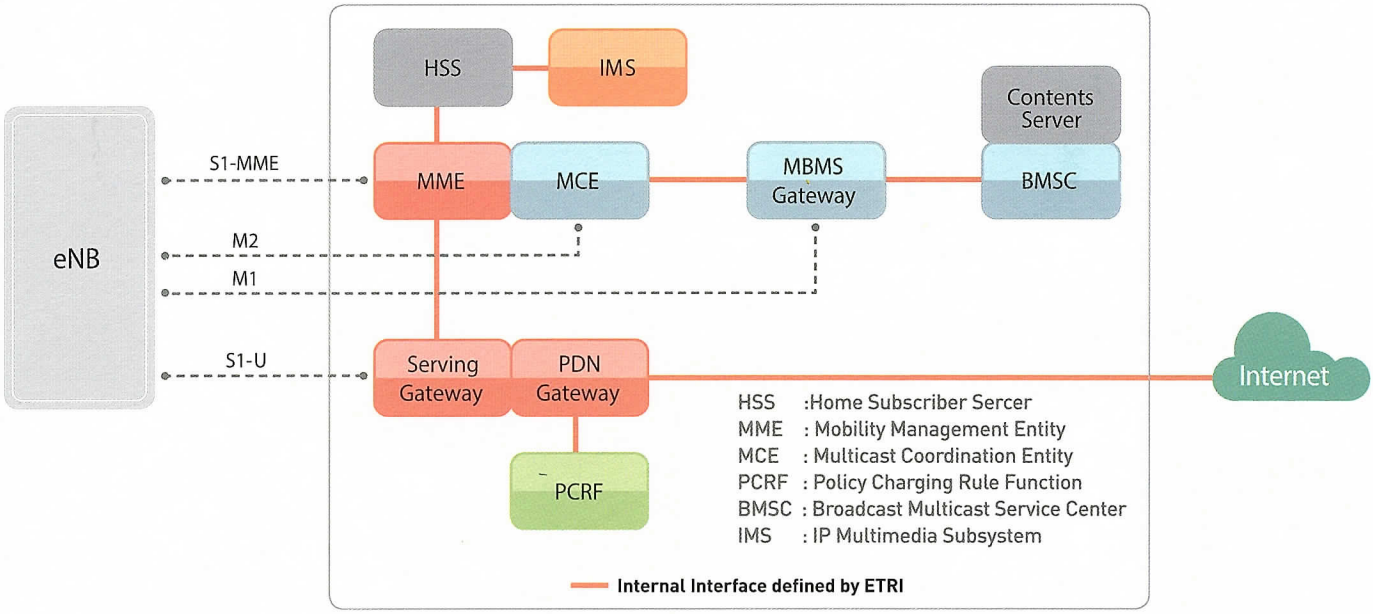
- 3GPP Rel.13 based EPC Emulator
- Supporting NB-IoT, eMBMS (BMSC)

ETRI EPC solution is an emulator which supports various test of LTE small cell eNB functionalities. It consists of MME, MCE, Gateway, HSS based on 3GPP Rel.13 (S1AP, M2AP, LPPa, NAS, GTP). To provide eMBMS functionalities, it also includes BMSC. Development of NB-IoT functions is in active progress.

Specification & Key features of EPC Emulator

Specification	- 3GPP Rel.13 - S1AP, M2AP, LPPa, NAS, GTP, SYNC(for MBMS)
Key features	**Basic Features (MME, S-GW/P-GW, HSS, IMS)** - Up to 200 Supportable UEs - Maximum aggregated throughput: 2Gbps - E-RAB Management Procedures - UE Context Management Procedures - Handover Signaling (S1, X2) - NAS Transport - ETWS - VoLTE - User Data Transferring - NB-IoT(S1AP, NAS, data interface between MME and GW)
	eMBMS Feature (MCE, M-GW, BM-SC,) - eMBMS session related procedures (Start, Stop, Scheduling Info, etc.) - MBMS Session Start - MBMS Session Stop - Scheduling Information - MBMS Data Transferring (Multicast) - BMSC(including MBMS Contents Server) * BMSC is a part of EPC solution, however it is separated physically.(another machine)

EPC(Evolved Packet Core)



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