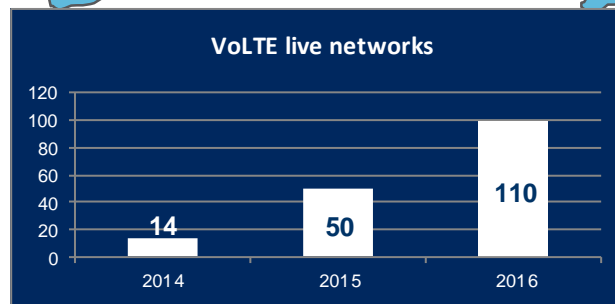
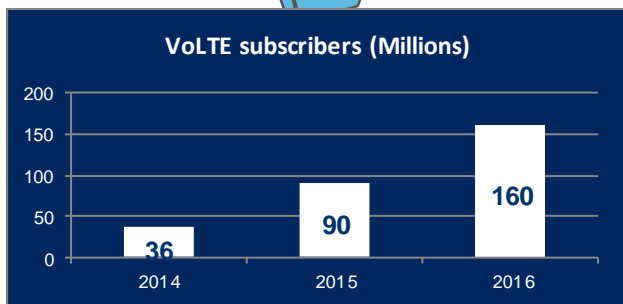
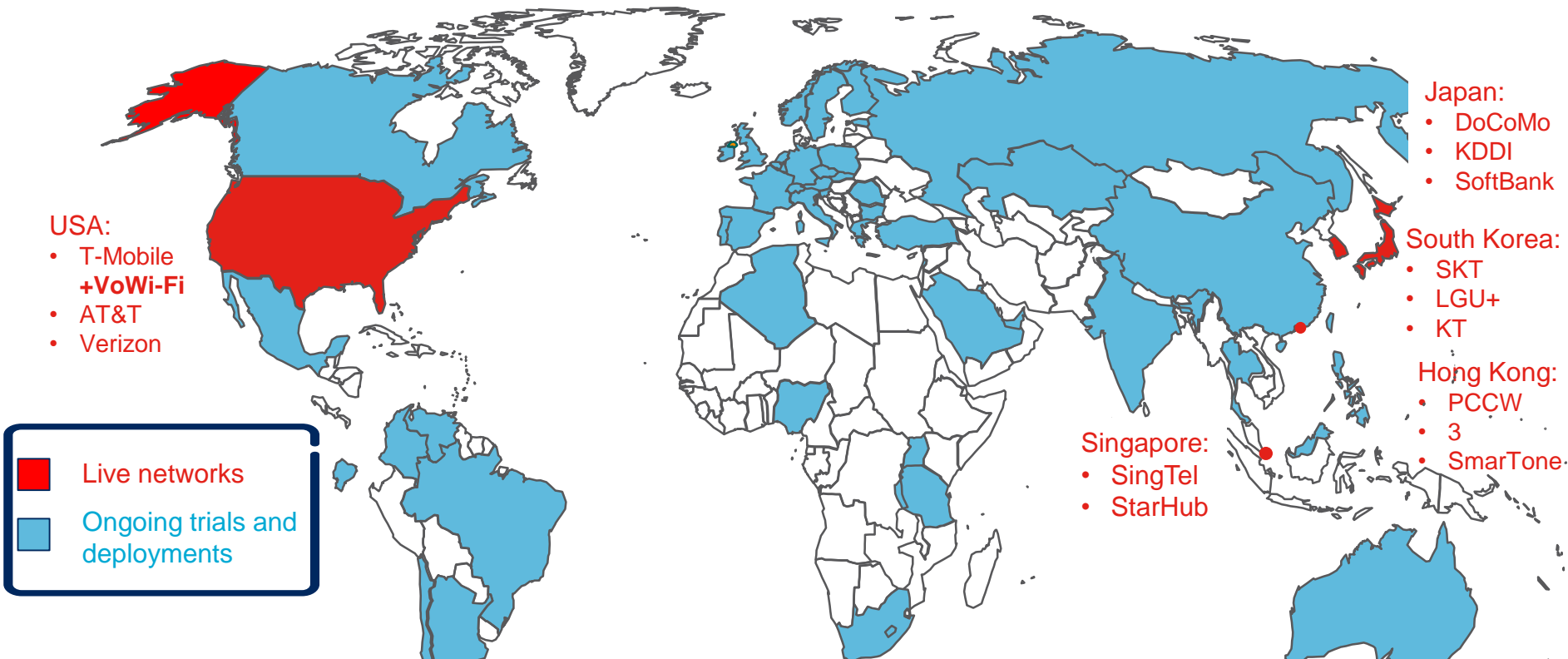




VOICE OVER LTE

GLOBAL VOLTE MARKET UPDATE DEC 2014 – 14 LIVE

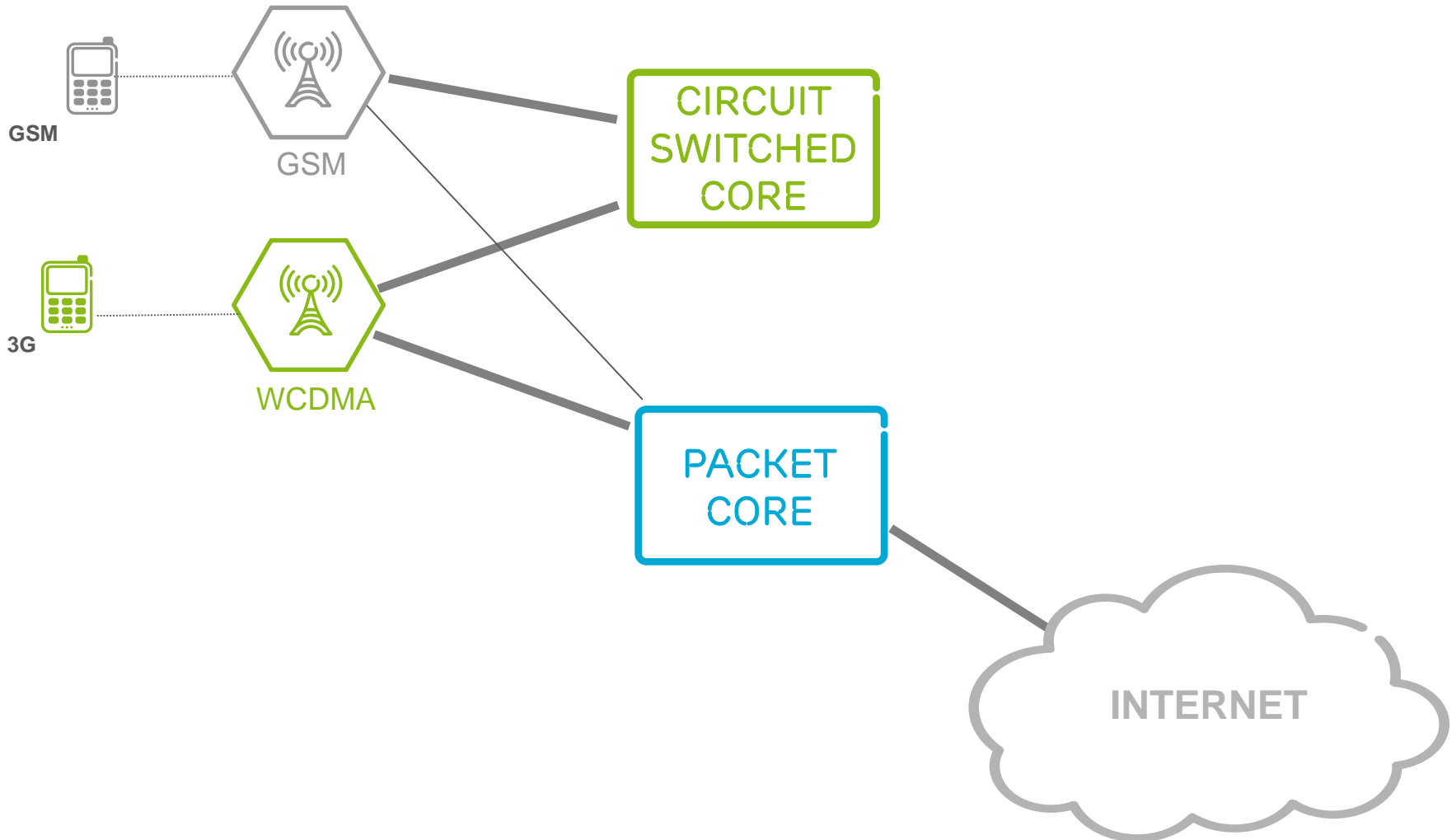


VOICE OVER 4G NWS

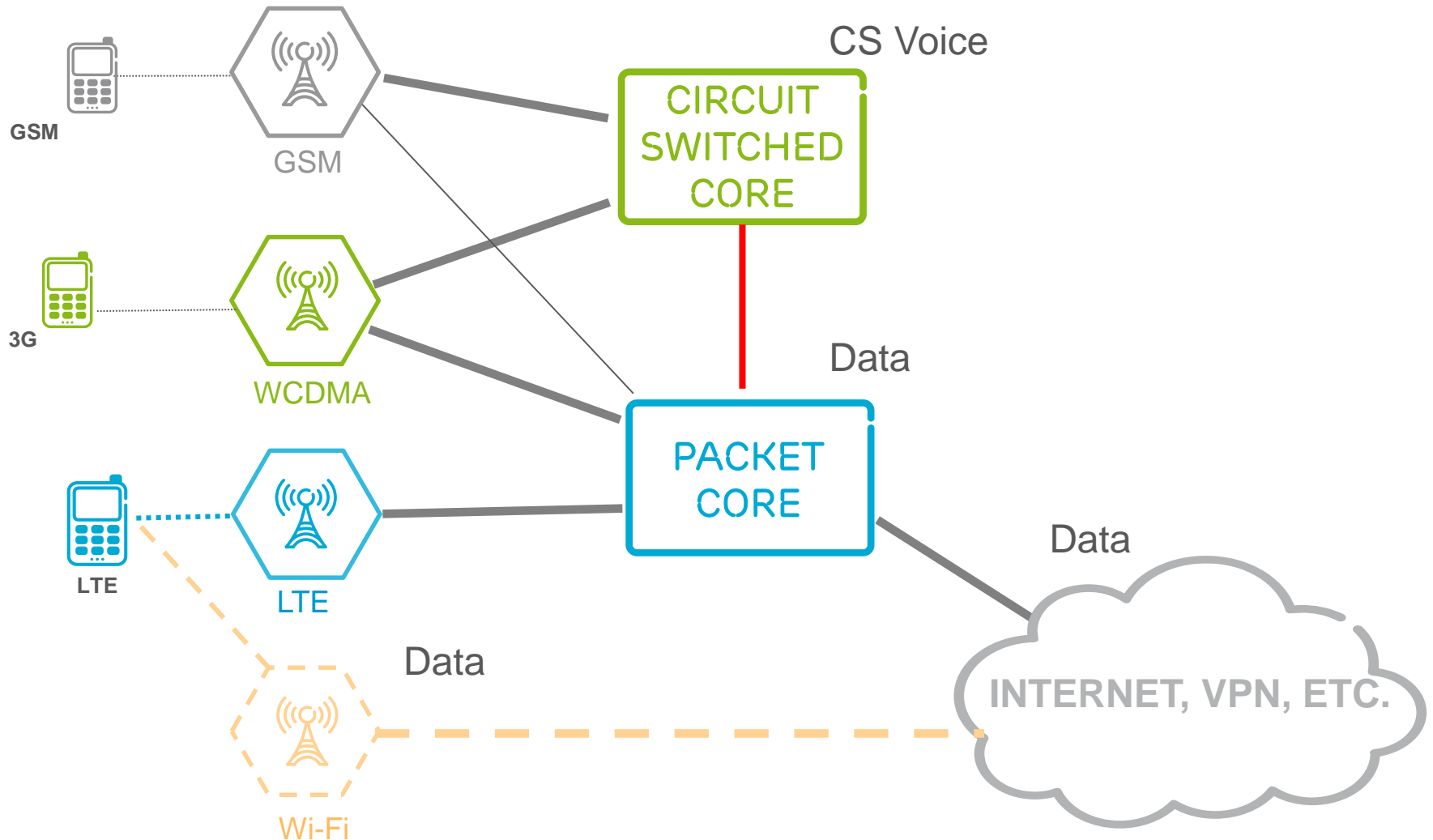


- › LTE is designed to deliver data
- › Ways for standardized voice transfer over LTE
- › Circuit Switched FallBack
- › VOLTE - Voice over LTE
- › SRVCC – Single Radio Voice Call Continuity
 - When user moves out of TLE coverage area
- › Voice over Wi-Fi (SIM based, untrusted)

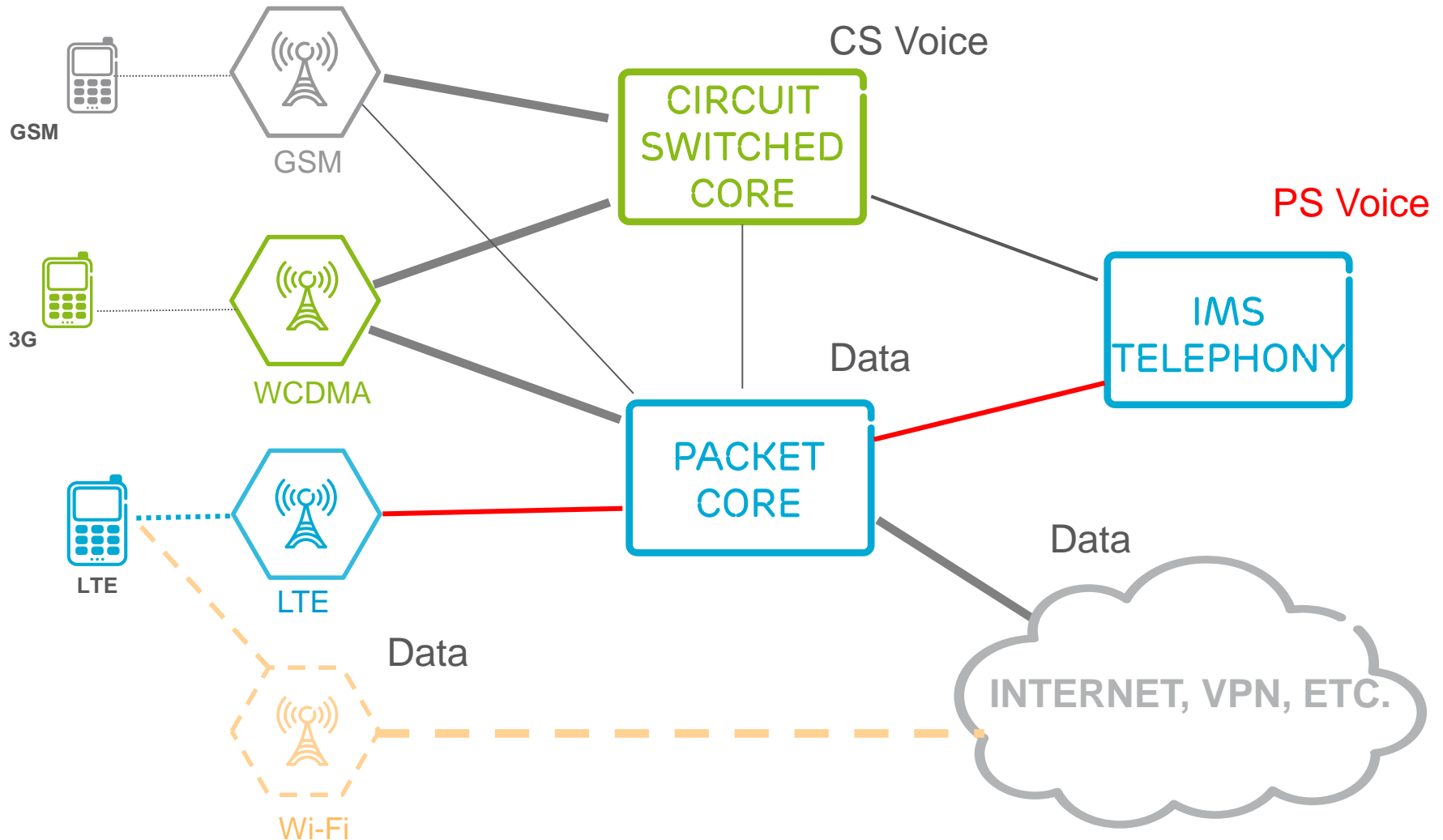
2G AND 3G ORIGINS



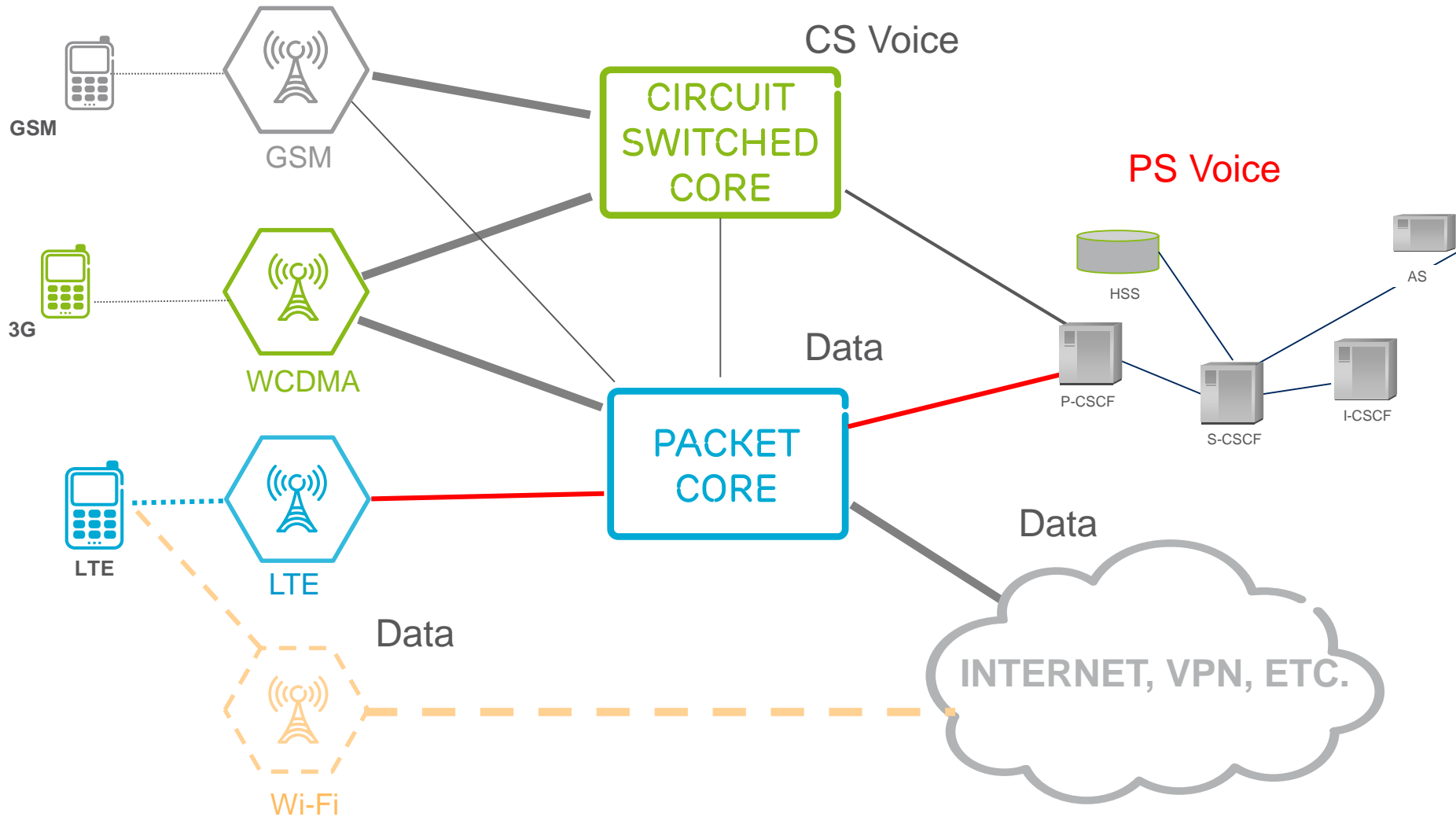
CIRCUIT SWITCHED FALLBACK: LTE DATA, CS VOICE



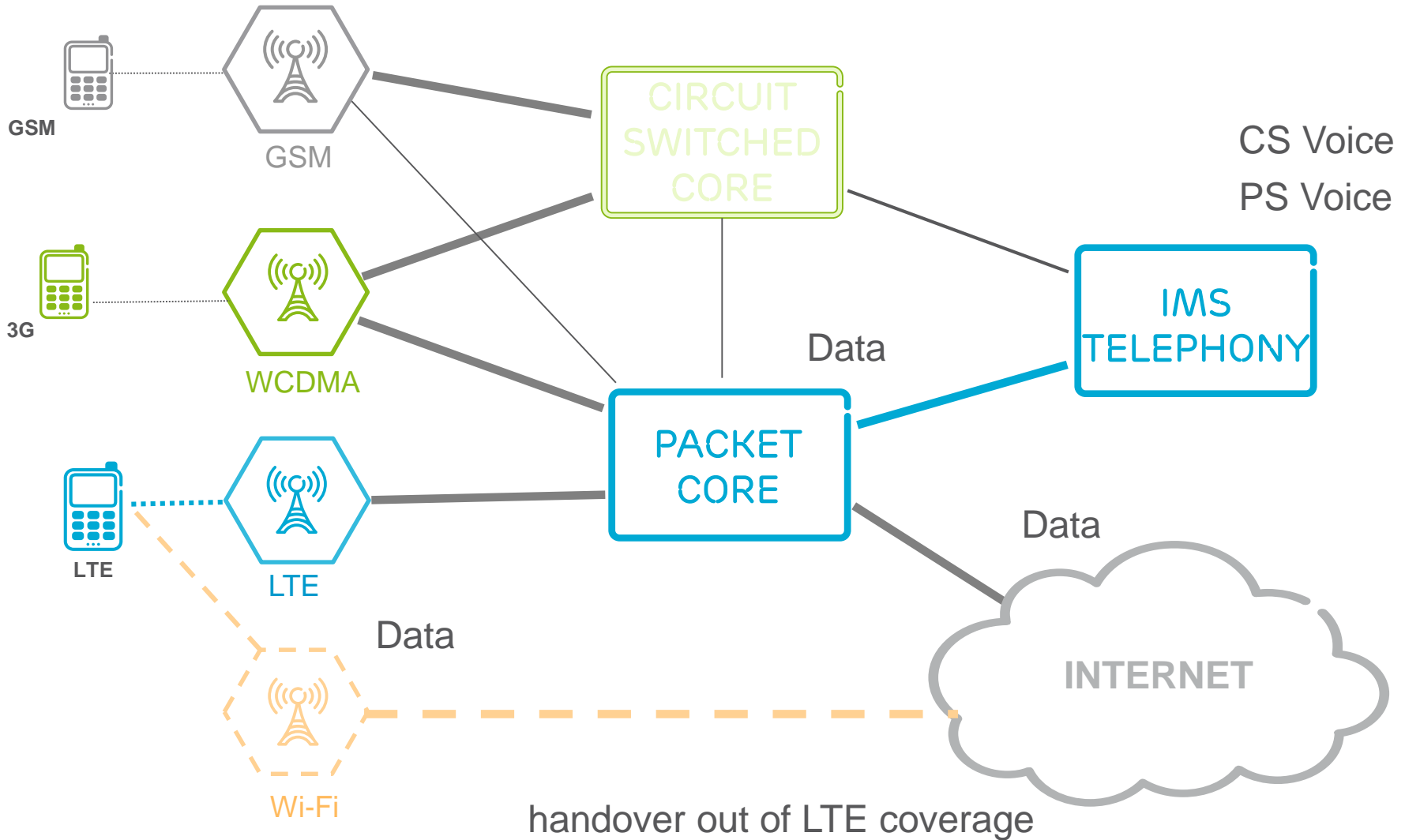
VOLTE AND CS SERVICES



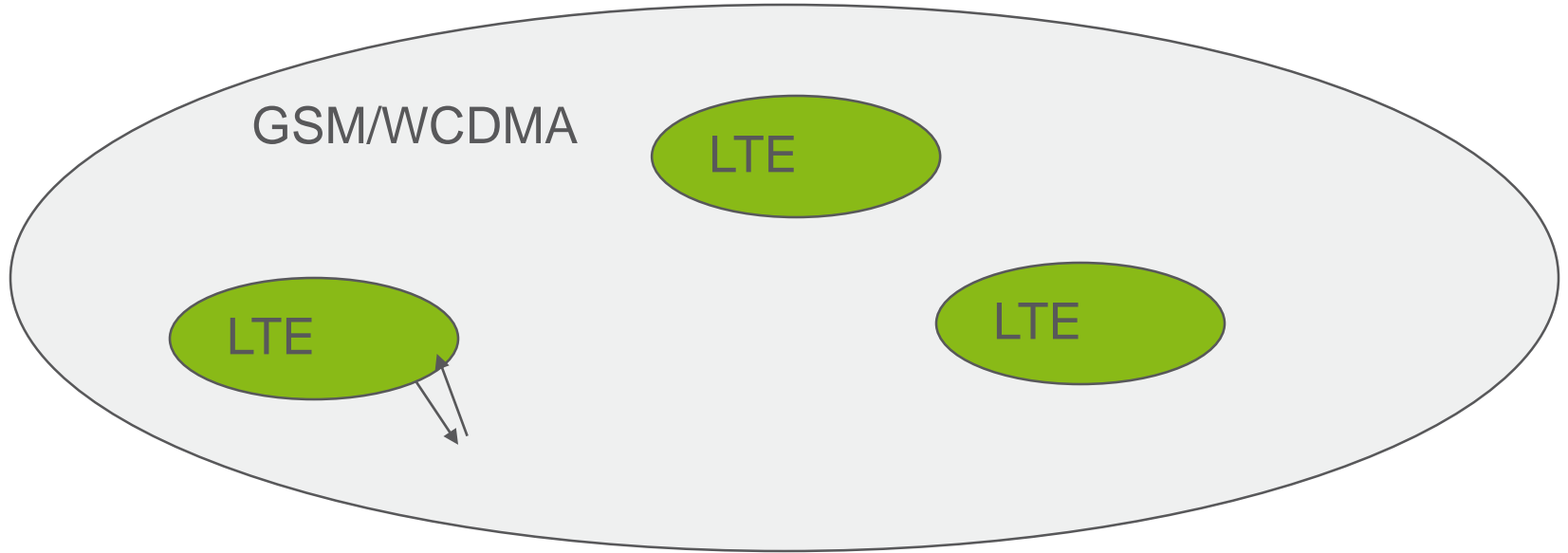
VOLTE AND CS SERVICES



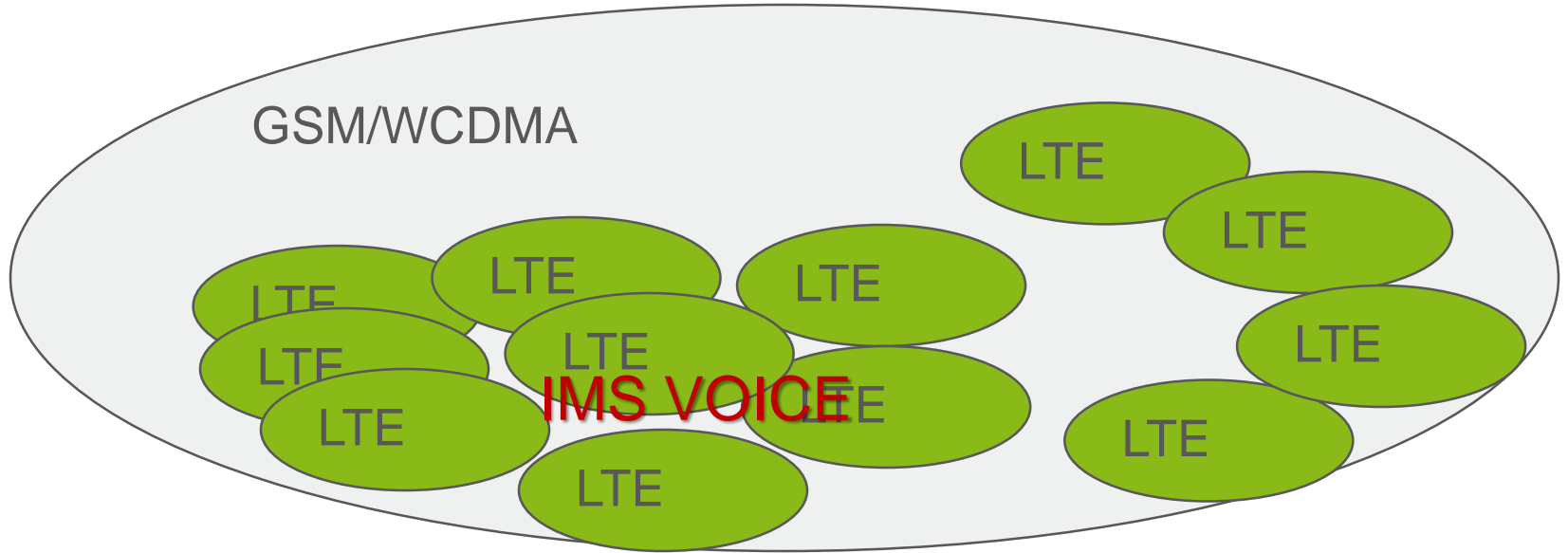
SR VCC-SINGLE RADIO VOICE CALL CONTINUITY



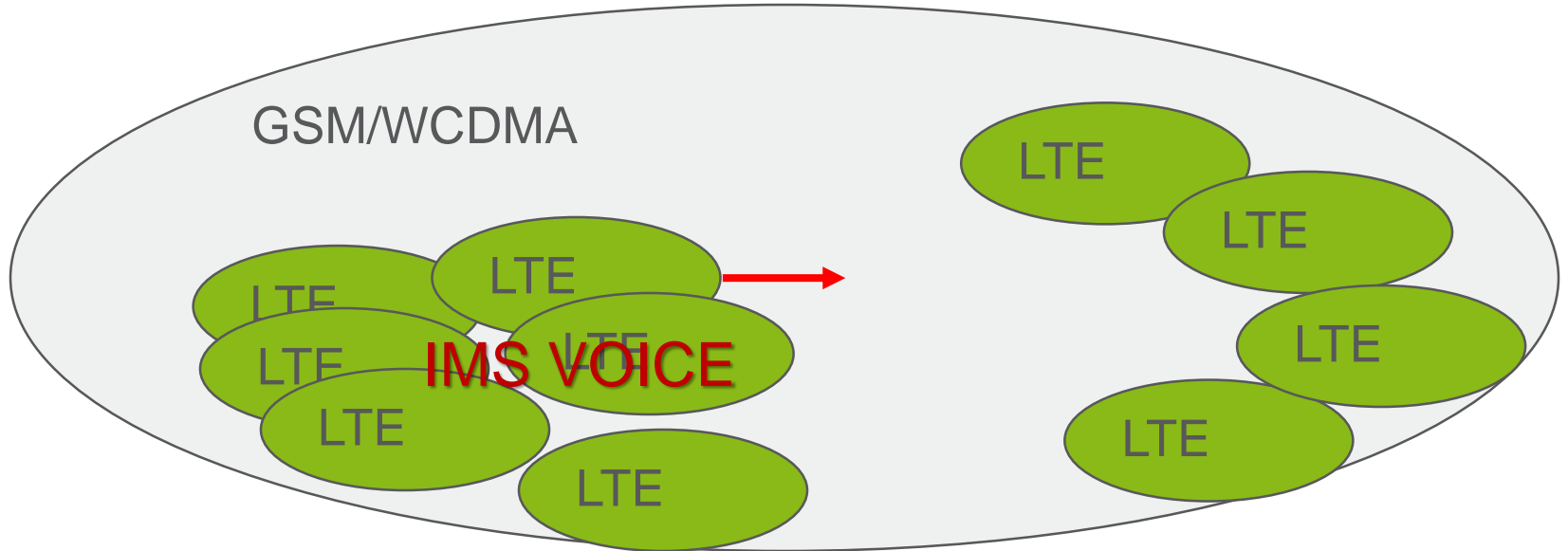
CSFB



VOLTE



SRVCC



SRVCC



- › Radio Access Technology transfer
- › Session transfer
 - CSCF maintains the control
 - CSCF sends command to MME & CS NW
 - CS NW accepts the call from LTE
 - CSCF remains in control of the call