

CELLULAR NETWORKS

CyberQuince

GSM

GSM (Global System for Mobile communications) is a standard developed by the European Telecommunications Standards Institute to describe the protocols for second-generation (2G) digital cellular networks used by mobile devices such as mobile phones and tablets.

GPRS

General Packet Radio Service (GPRS) is a packet oriented mobile data standard on the 2G and 3G cellular communication network's global system for mobile communications.

GPRS

- ▮ SMS messaging and broadcasting
- ▮ "Always on" internet access
- ▮ Multimedia messaging service (MMS)
- ▮ Push-to-talk over cellular (PoC)
- ▮ Internet applications for smart devices through wireless application protocol (WAP)
- ▮ Point-to-point (P2P) service: inter-networking with the Internet (IP)

ALL THE Gs

G1

- Designed exclusively for voice-only communication.
- Almost extinct now.

G3

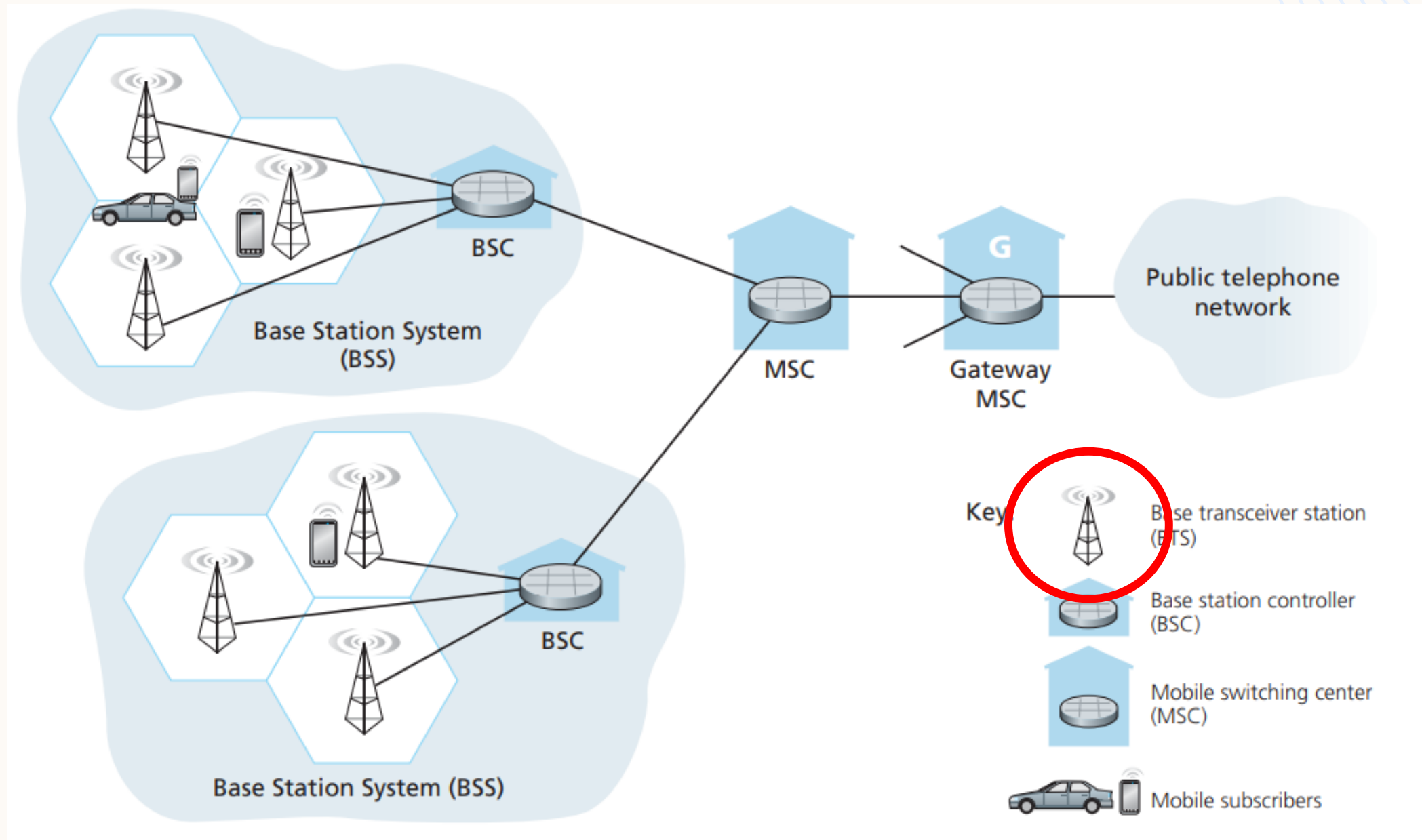
- Voice + data, but with higher speed radio access links
- “Mobile broadband”
- Video calling

G2

- Original 2G systems were also designed for voice, but later extended (2.5G) to support data.
- SMS and MMS

G4

- Increased speeds
- Higher quality video calls, gaming, streaming etc.



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