

# Data transfer services in 3G network

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## History

### 2G

- CSD – 9600 bps
- Extended CSD – 14400 bps
- HSCSD – 38400 bps

### 2,5G

- GPRS – 171 (56) Kbps
- EDGE – 474 (236) Kbps

### 3G

- UMTS – 384 Kbps

### 3,5G

- HSDPA – 14,4 Mbps





## Services

### 2G

- Mobile Internet
- WAP 1.x

### 2,5G

- WAP 2, cHTML
- Content downloading
- Video streaming (Mobile TV)

### 3G

- Video calls
- Downloads

### 3,5G

- DOWNLOADS
- ???





## Results

### FTP Download

OK

### Video streaming

Video stream coding and mobile phone processors are more important than data transfer speed

### Common use

More users – less speed



## Higher speed in network – enough speed for every user



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