

# **CDMA2000: Global Overview**

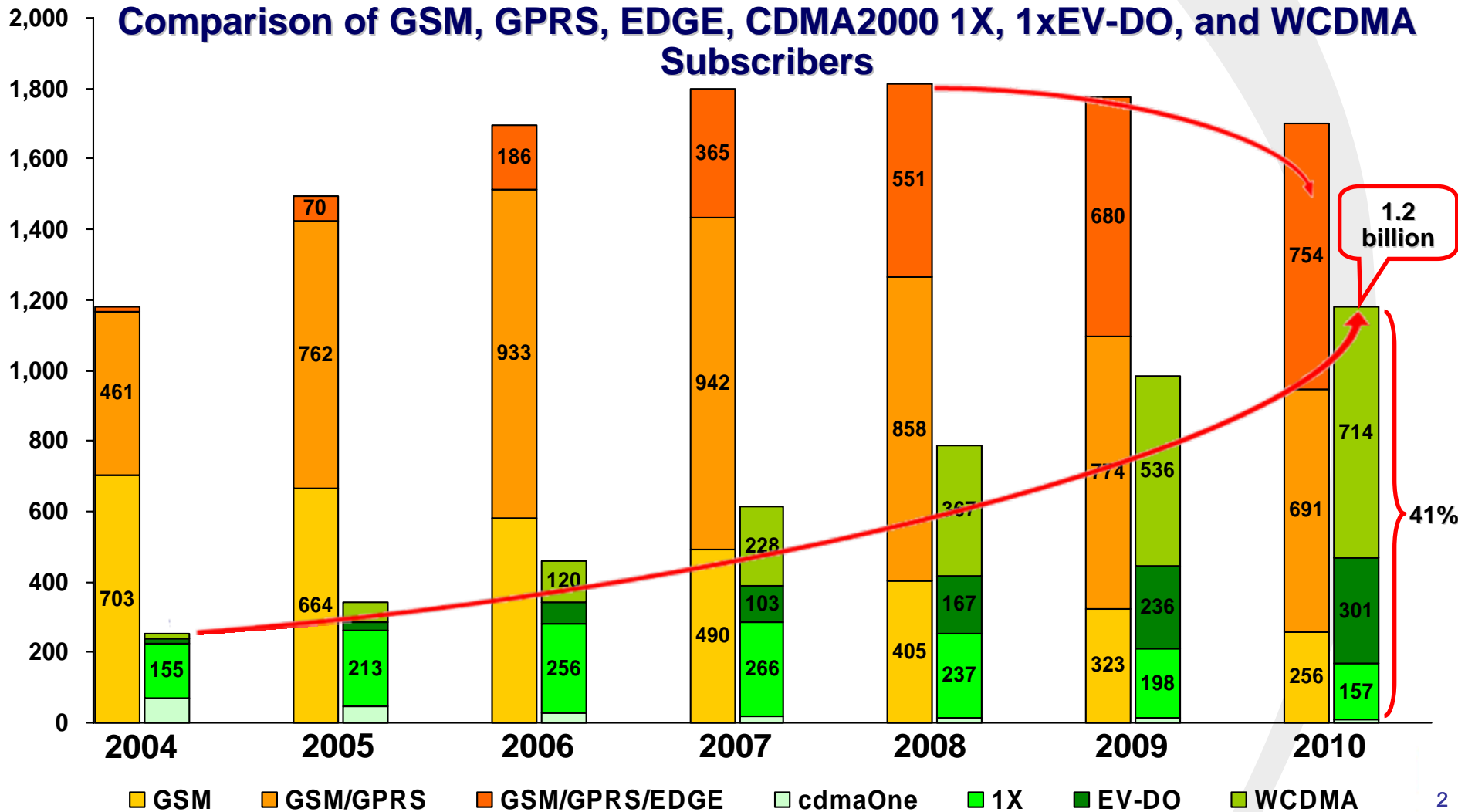
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# Worldwide Subscriber Growth

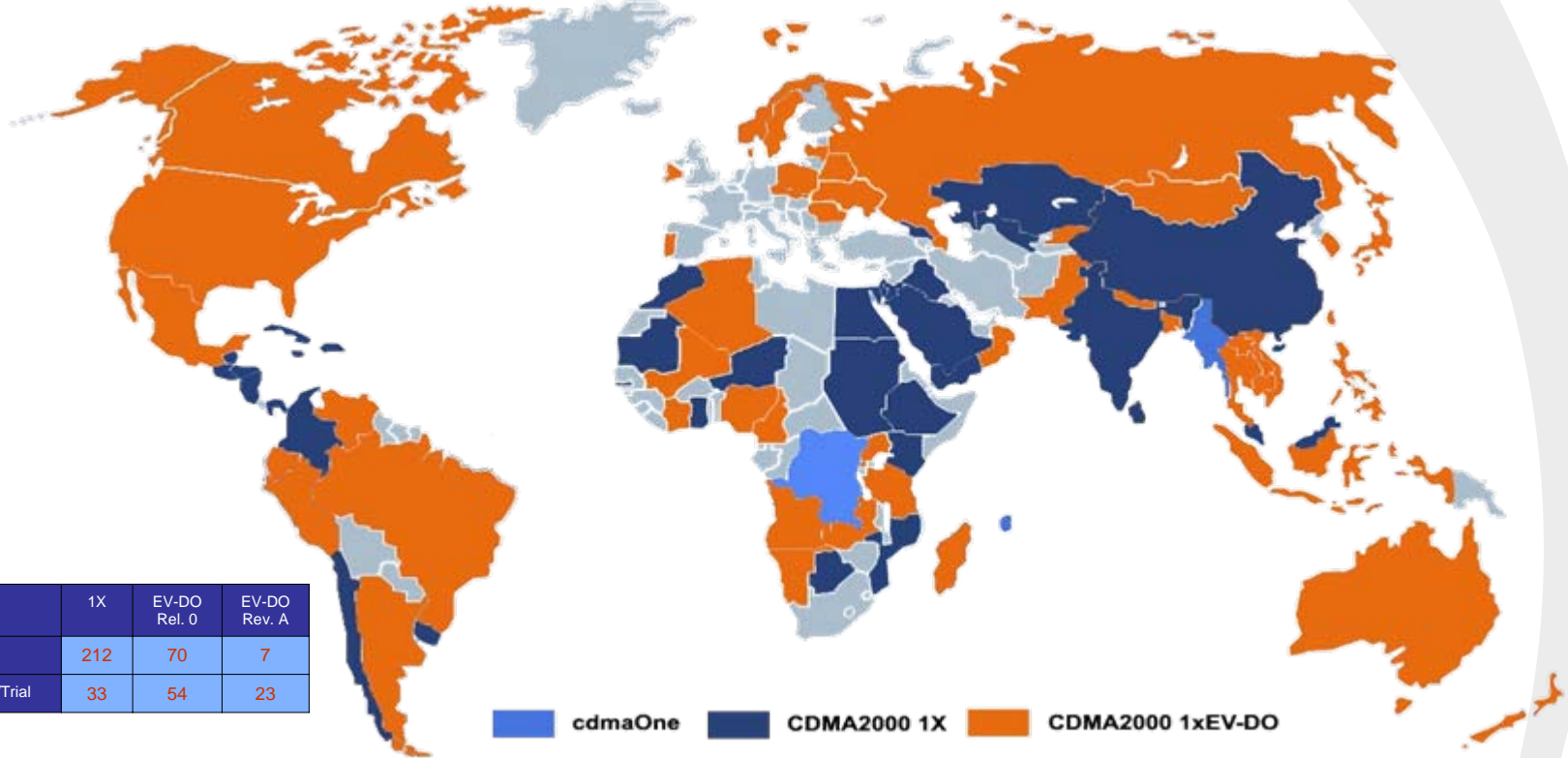
The migration to 3G is occurring rapidly -- creating enormous economies of scale



# CDMA2000: The Leading 3G Technology

*The global presence of CDMA2000 offers enormous economies of scope*

- **251** operators in **105** countries have deployed or are planning to deploy CDMA2000 to deliver 3G voice, multimedia & broadband data services



	1X	EV-DO Rel. 0	EV-DO Rev. A
Commercial	212	70	7
In Deployment/Trial	33	54	23

■ cdmaOne ■ CDMA2000 1X ■ CDMA2000 1xEV-DO

- Over **100** operators who had a choice of technologies (e.g. PHS, WiMAX, GSM/EDGE, UMTS, etc.) selected CDMA2000 in the past 3 years
- Up to **124** operators have launched or are deploying 1xEV-DO networks
- Up to **107** operators have deployed or committed to deploying CDMA450
- Up to **43** GSM operators selected CDMA2000 to deliver 3G services

**Strong Ecosystem and Economies of Scope**

# CDMA2000: Plenty of Affordable Devices

Competition and economies of scales are driving CDMA2000 prices down

## Sub-US\$30

## Sub-US\$40

## Sub-US\$50



ZTE C160



Jingpeng 101



Motorola W150i



Rose 631



Kimpo 761



Haier C1000



Haier D1000



Huawei C218



Huawei C2205



Jingpeng Spektra 101



Jingpeng C131



Jingpeng C132



Kyocera K112



LG RD2330



LG 2530



LG RD2670



LG 3330



Motorola C210



Nokia 1255



Motorola C131



Samsung N500



Samsung N380



ZTE 202 ZTE 203 LG 2750 ZTE 204



TCL 401 LG RD2650 LG RD2690 LG RD2710

### BREW-enabled low-end phones



Kyocera KX 17 LG RD2340 LG RD2430 LG RD2530 LG RD2535 LG RD2630 Samsung S109 UTStarcom C1122



ZTE C133 ZTE C150

## 38 entry-level CDMA handsets from 13 suppliers

Notes: 1. Mobile devices shown are sold in India at an ex-factory wholesale cost below US\$50.  
2. Only devices shipped in volumes above 10,000 units are shown.

Legend: Color Screen Handsets



# CDMA2000 Rural Communications

*CDMA2000 offers the best solution for rural communications*

## Superior Voice Quality

- Best voice clarity, voice capacity and call quality
  - Highest Mean Opinion Score (MOS) for voice clarity
  - Highest call capacity, leading to reduced telephony costs and tariffs
  - Fewer failed connections on the first try and dropped calls
  - Reduced voice distortion or echo, less static and interference

## High-speed Broadband Access

- Secure, instant and always-on broadband access to the web
  - **Bandwidth intensive:** Television, email with large attachments, webcam streaming video, distance learning, remote medicine, etc.
  - **Delay sensitive:** Carrier grade VoIP, push-to-talk, etc.

## Lower Total Cost of Ownership

- High-capacity networks
- Lower deployment and operating costs
- Operators can create profitability in low-ARPU markets

## Affordable Devices

- Availability of sub-US\$30 handsets in highly competitive markets



# CDMA2000 in the Caribbean and Latin America

**In 2002, CDMA2000 became the first 3G technology in the region**

- Since then, it has been the most dominant 3G technology in CALA
- 54 operators in 25 countries
- 63 million users

**CALA is the second largest market in terms of EV-DO deployments**

- 32 networks
- 2.6 million subscribers

**CALA is the first market to deploy Rev. A and is rapidly embracing the technology**

- Launched by Sprint-Nextel Puerto Rico in October 2006
- 8 operators are deploying

*cantv*  
**movilnet**

