

# Market Representation Partner Report 3GPP PCG #15

Alan Hadden
President, GSA
Global mobile Suppliers Association
www.gsacom.com

alan.hadden@gsacom.com Tel +44 1279 439 667

info@gsacom.com



#### Membership



Leading GSM/3G suppliers world-wide; over 80% of GSM/3G market share globally.

Member companies of GSA include Aeroflex, Agere, Alcatel, Attix5, Bechtel Telecoms, Broadcom, Business Logic Systems, CCww, Comsys, Ericsson, EVI Technology, Longreach, NewBay Software, Nokia, Openwave, Panasonic, Philips Semiconductors, Radixs, Siemens, Tekelec, Telcordia, Tropian, TTPCom, and Wavecom, representing solutions providers, GSM, EDGE, WCDMA and HSPA infrastructure, user devices, OSS, applications developers, billing, revenue assurance, and semiconductor software design/platforms.

Company names in RED = Executive Member

#### **Current Activity Areas**



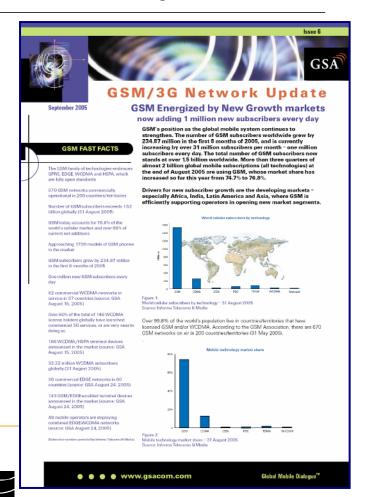
- Deliver market facts, intelligence & data objectively for the mobile industry
  - GSA website positioned as the reference source (www.gsacom.com)
- Facilitate **networking/dialogue** cross-industry for information exchange
- Advise policy-makers on most favourable conditions for market development
- Address duality of market: evolution to 3G, Universal Access, low ARPU segments
- Inform media & analysts about key milestones, drivers, developments, trends
- ▶ Organize **high-level interaction** with **GSM/3G operators** for improved information sharing, case study/success stories sharing, to assist the evolution to 3G
  - Operators Zone is a key channel for dialogue with GSM/3G operators
- Produce **Opinion Papers** to broaden understanding/acceptance of the key issues
- Deliver at the global and regional level: Africa, APAC, Europe, India, Latin America



#### **GSM/3G Network Update – September 2005**

#### download at www.gsacom.com

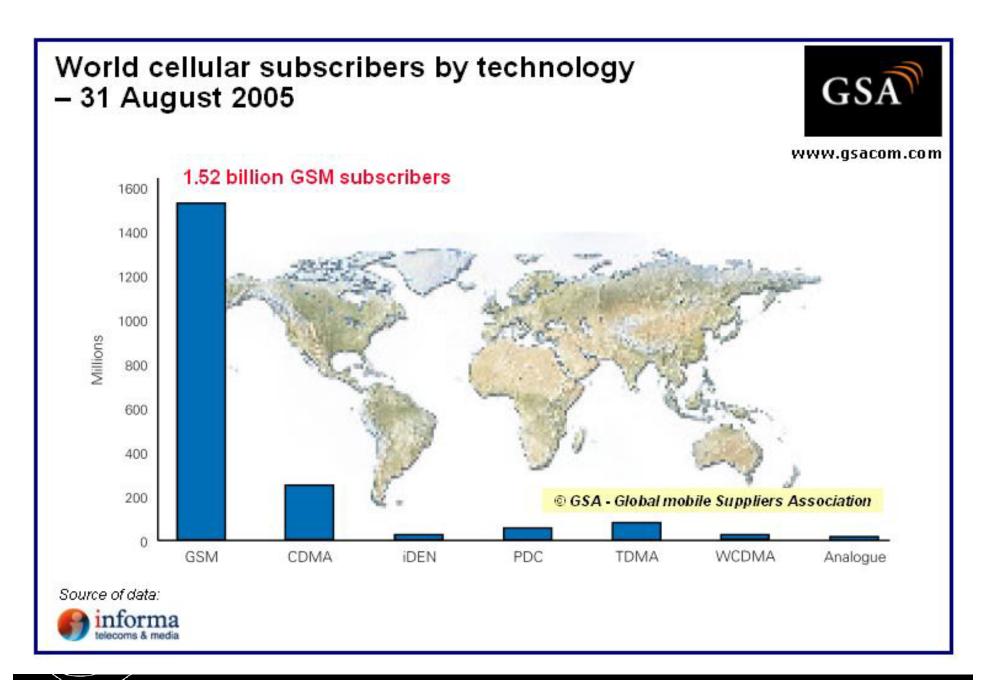


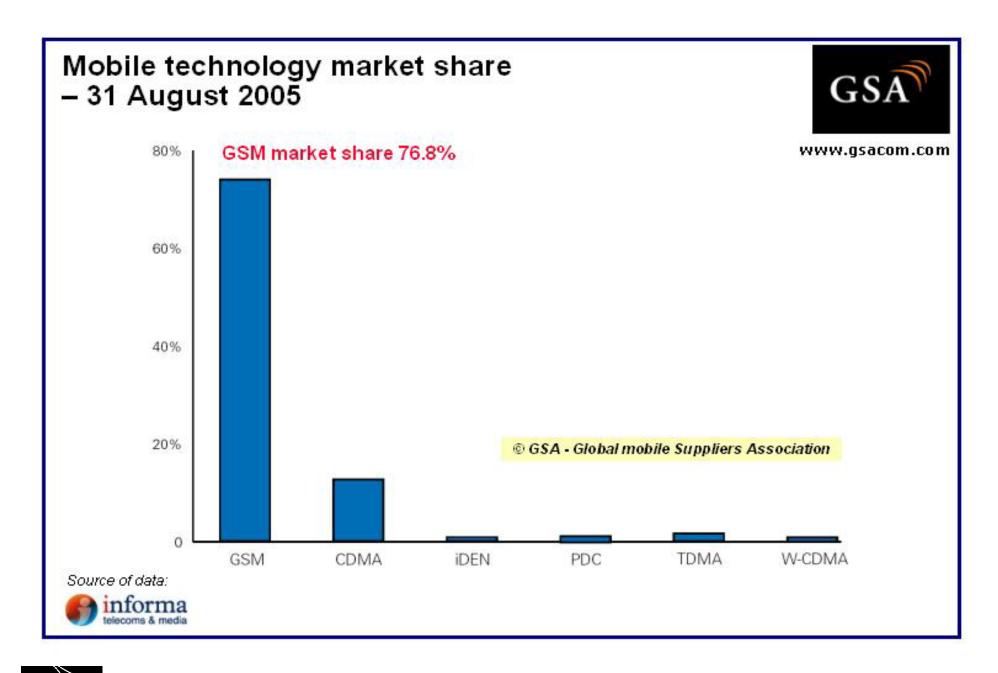


- GSM/3G market/technology updates
- GSM and 3G subscriber numbers globally & by region
- 3G services and networks rollout
- WCDMA-enabled and EDGE-enabled devices availability
- GSM/3G resources

Download at www.gsacom.com

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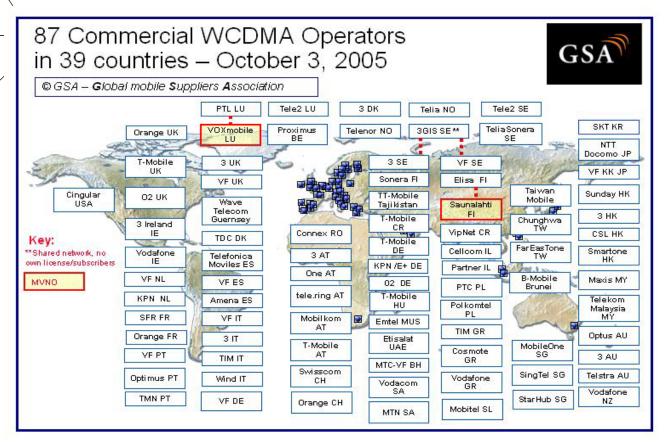


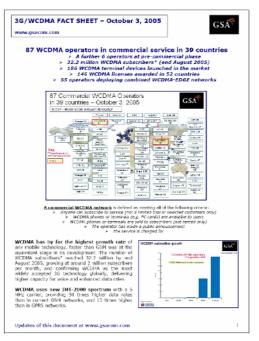


#### **GSA** survey: WCDMA deployments

Deployment status, launches, service introduction dates, trends







**WCDMA Fact Sheet** 

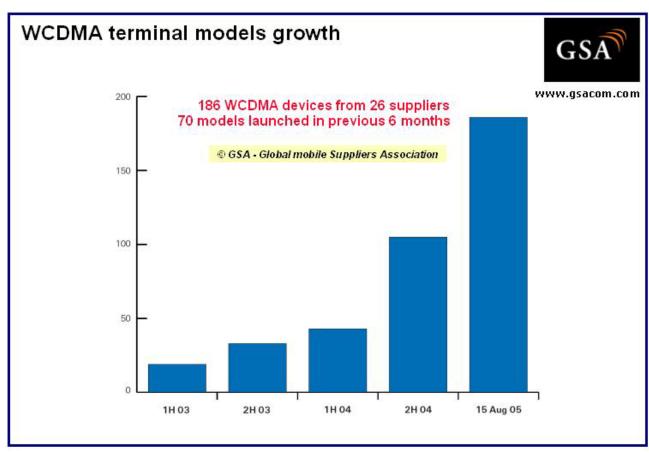
Research/publish detailed verified operator listings

#### **GSA** survey: WCDMA/HSDPA devices

Manufacturers, models, features, images, availability



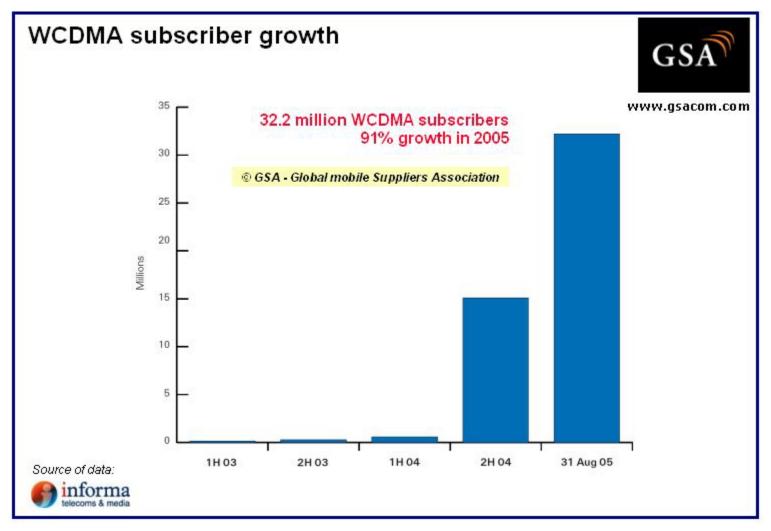




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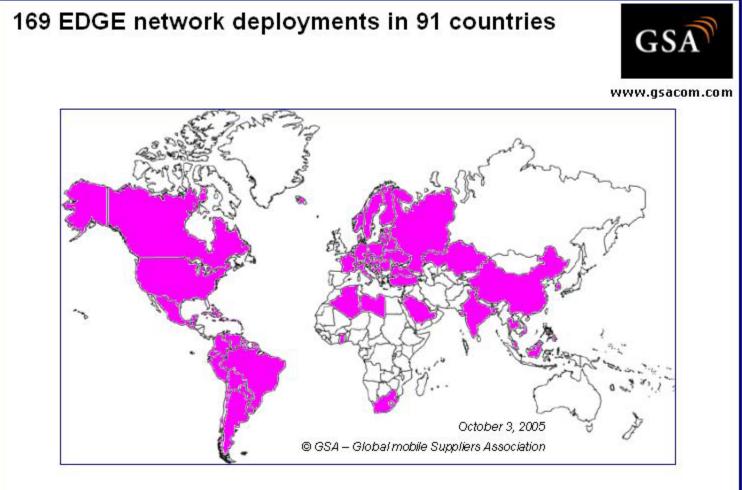
#### WCDMA subscriber growth





#### **EDGE** deployments – global reality





#### **GSA** survey: **EDGE** deployments

#### Deployment status, launches, service introduction dates, trends



#### EDGE FACT SHEET - October 3, 2005

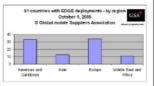
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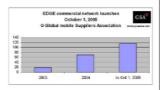
169 networks deploying GSM/EDGE

⇒ 55 operators operating or deploying combined EDGE/WCDMA networks

committed to EDGE deployments.



116 networks are delivering commercial EDGE-enabled services in 70 countries, compared with 35 networks which were "live" 12 months earlier

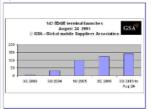


stimulates growth of mobile multimedia include the WCDMA/HSPA market services. EDGE is not a new technology but a significant upgrade to GPRS, boosting data Important - Terms of Use speeds by over 3 times to typically 120 to 160kbps in commercial networks for better quality, faster services and the best, most consistent user experience at incremental network cost. No change is required in the

agreements are required as EDGE is covered under GPRS roaming agreements.

WCDMA and EDGE are complementary GSA confirms 169 operators in 91 countries technologies ensuring lower capital expense and optimum flexibility and efficiencies, GSA confirms 55 operators are also deploying EDGE and WCDMA in combined networks for 3G services delivery. Furthermore, 23 of these networks are now offering combined EDGE/WCDMA-enabled commercial services.

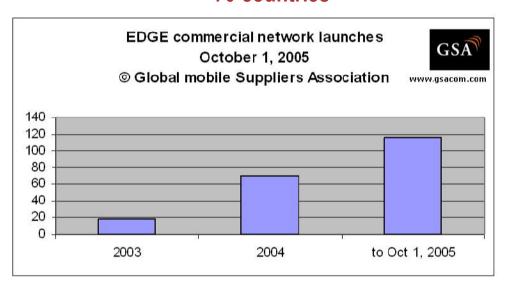
> Latest GSA research identifies 143 EDGEenabled devices in the market, covering all segments - see chart below. Several dualmode EDGE/WCDMA devices, some with HSDPA are in the market for the best user experience of mobile broadband services.



These market facts are from GSA publications comprehensive updated surveys for GSA member organizations, which include detailed listings of EDGE ensures operators can compete and organizations, which include detailed listings of CGE deployments globally, commercial launches, safeguard existing investments/assets. EDGE | EDGE Devices on the market, etc. Further surveys

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#### 116 EDGE Commercial network launches in 70 countries



Research/publish detailed verified operator listings for (currently) 169 operators in 91 countries committed to EDGE deployment

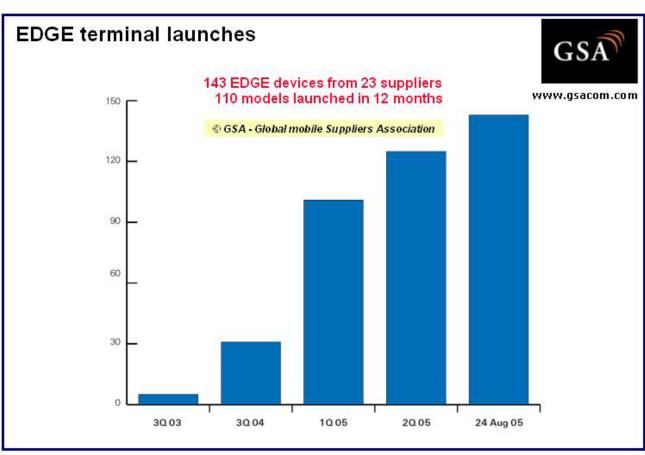


#### **GSA** survey: **EDGE** devices

Manufacturers, models, features, images, availability







#### **GSA** survey: WCDMA-EDGE deployments



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063 Mobtel Srbija, Serbia

AIS, Thailand

Alands Mobiltelefon, Finland

Areeba, Cyprus

Base, Belgium

Batelco, Bahrain

Bouygues Telecom, France

Cell C, South Africa

Cellcom, Israel

Cingular Wireless, USA

CSL, Hong Kong

Dialog GSM, Sri Lanka

Elisa, Finland

EMT, Estonia

Era, Poland

Eurotel Praha, Czech

Eurotel Bratislava, Slovak Republic

GPTC, Libya

LMT, Latvia

Maxis, Malaysia

Mobilkom Austria, Austria

Mobily, Saudi Arabia

Mobistar (Orange), Belgium

Mobitel, Bulgaria

MTC Vodafone, Bahrain

MTN, South Africa

Nawras, Oman

Orange, France

Orange, Poland

Orange, Romania

Orange Slovensko, Slovak Republic

Oskar Mobile, Czech

Pannon GSM, Hungary

Polkomtel, Poland

Rogers Wireless - Fido, Canada

Si. Mobil - Vodafone, Slovenia

Sonofon, Denmark

StarHub, Singapore

Sunrise, Switzerland

Swisscom, Switzerland

GSA

T-Mobile, Croatia

T-Mobile, Czech

T-Mobile, Hungary

T-Mobile, USA

Telenor, Norway

Telfort, Netherlands

TeliaSonera, Denmark

TeliaSonera, Finland

TeliaSonera (Netcom), Norway

TeliaSonera, Sweden

TIM Hellas, Greece

TIM, Italy

VIP Net, Croatia

VOXmobile, Luxembourg

Wataniya Telecom, Maldives

Live WCDMA/EDGE networks denoted in PED

GSA

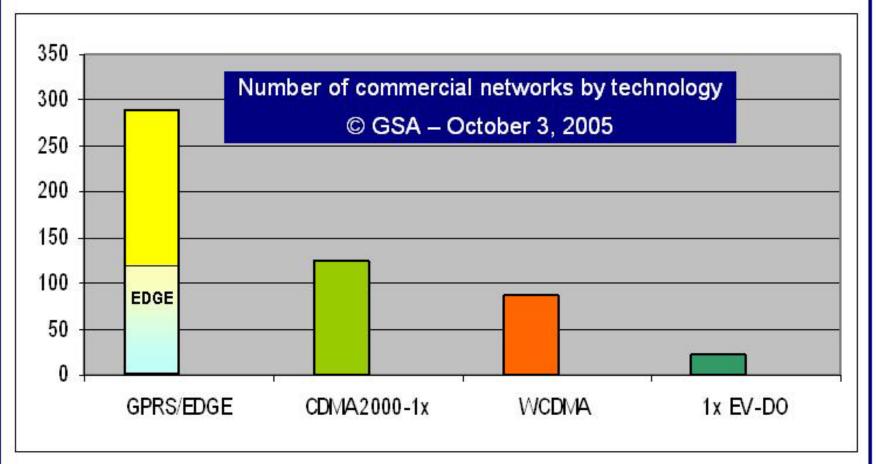
23 combined WCDMA-EDGE networks commercially launched

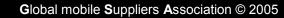


#### Adoption of different mobile standards

- commercial networks







#### **GSA** surveys: services, applications



#### **Examples:**

- New revenue-generating services (2G, 3G platforms)
- Push to Talk deployments, devices, market experiences
- Impact of data on ARPU, network traffic; service differentiation according to access technology



#### **Dialogue**



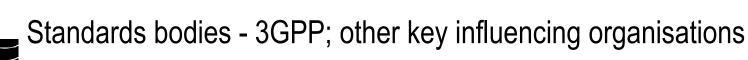
#### GSA seminar for GSMA Latin America plenary #19 – Lima, July 2005

- GSM/EDGE/WCDMA/HSPA service continuity and revenue possibilities
- Increasing Operators Profit
- Key enablers for profitably addressing low ARPU segments with GSM solutions
- Marketing and Content Partnerships for Success

On-going activities including in India, Asia, Africa, and Europe

Media

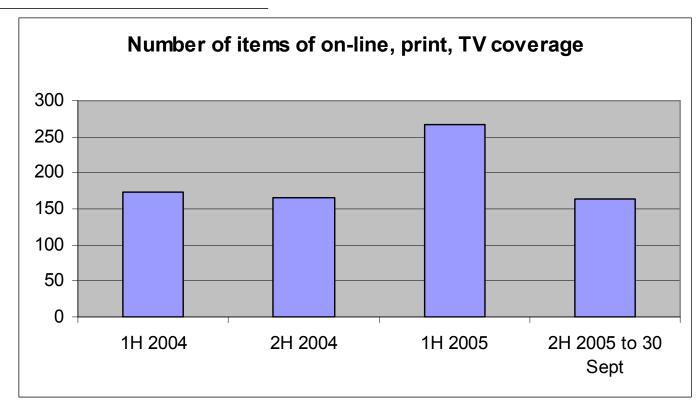
Governments and regulatory authorities



### **Measuring effectiveness**

### – GSA's media coverage





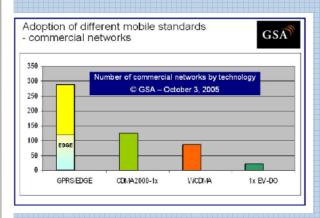
54% growth 1H 2005 compared to 1H 2004

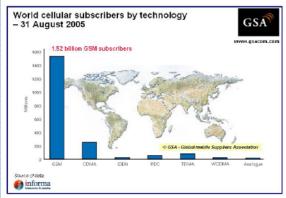
#### **GSM/3G Resources**

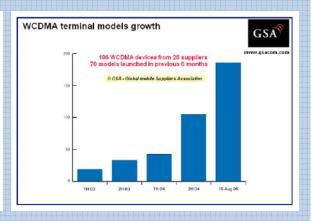
- Fast Facts, statistics, charts



#### GSM/3G statistics, downloadable charts: www.gsacom.com/news/statistics.php4







Latest statistics covering GSM, EDGE, WCDMA and HSPA market development, technology deployments, and trends. Charts may be downloaded by any registered user of the GSA website. Terms of Use apply.



#### GSM/3G resources at www.gsacom.com



#### Register at <a href="www.gsacom.com">www.gsacom.com</a> for:

- Market/technology updates on GSM, EDGE, WCDMA, HSPA
- Statistics: subscribers, ARPU, data, trends, charts
- Opinion papers AMR, Push to Talk, etc.
- Quarterly GSM/3G Network Update
- Monthly GSM/3G Market Update
- Newsletters, press releases, consultations

## **GSM-family operators gain free access** to the Operators Zone

Market and technology papers, surveys

Invitations to seminars, networking events, etc

