THE Mobile Broadband Standard

A GLOBAL INITIATIVE

The 3GPP Seminar

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What is 3GPP?

THE Mobile Broadband Standard

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- Organizational Partners
  - 6 Regional standards organizations (Asia, Europe & North America)

ARIB, atis, CCSA, ETSI, TTA, TTC Telecommunication Technology Committee

Member Companies

- Market Representative Partners
  - 13 Market partners representing the broader industry

GSMA, TDIA TD-SCDMA Industry Alliance, TD FORUM TD 技术论坛, GSM, CDG, SMALL CELL FORUM, 4G americas, ngmn, IMS Forum The Voice of IP Convergence, ICH, IPv6 FORUM, GSA, UMTS Forum

(…)

Member Companies

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3GPP Membership

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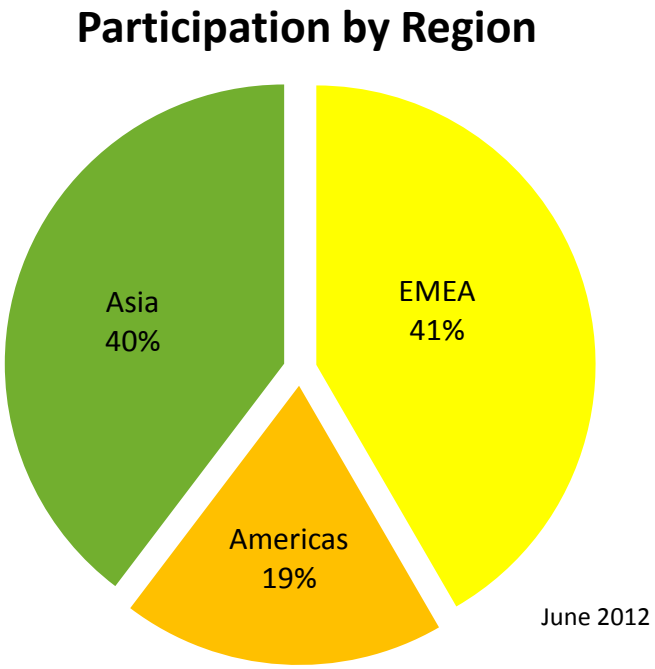
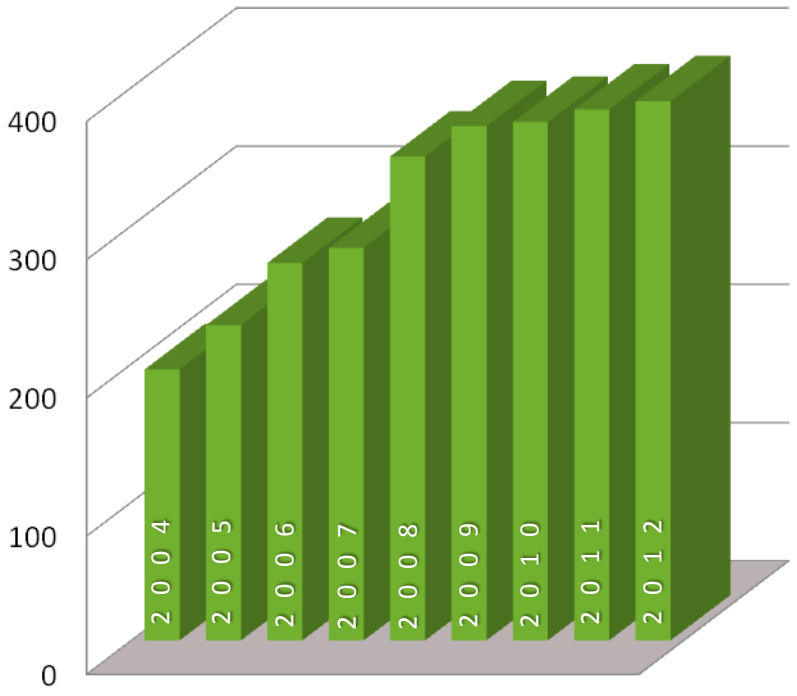
39 Countries



390 Companies (via Regional Partners)



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Whole System Approach

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Radio Interfaces

- Higher data throughput
- Lower latency
- More spectrum flexibility
- Improved CAPEX and OPEX

The Core network

- All-IP network
- Support of non-3GPP accesses
- Improved security
- Greater device diversity

Services

- More IMS applications
- Greater session continuity

Legacy

- Interworking (Incl. GELTE)

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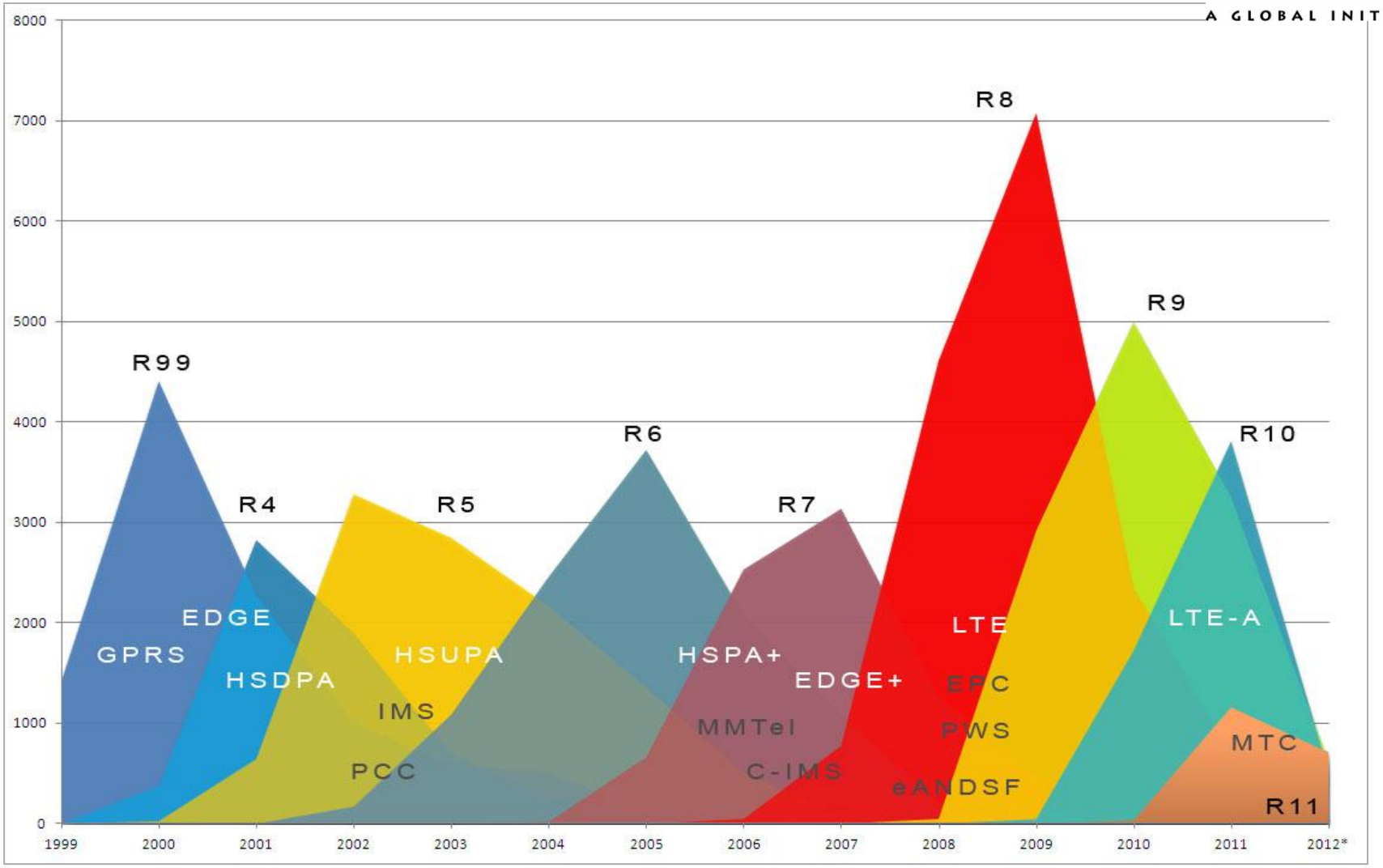
Feature Rich Releases



- Thousands of Change Requests for each 3GPP Release

Seminar agenda (1)

Wireless Communication Technical Committee

- CCSA Standardization Research Progress on Wireless Communication , **WANG Zhiqin**, CATR
- 3GPP R12 related research and standardization in China, **SUN Shaohui**, Datang Mobile

3GPP Status at Release 11 Completion

- **Sungho Choi**, 3GPP Technical Specification Group SA Vice-Chairman, Samsung

Core Network

- The Evolved Packet Core, Status and future plans, **Atle Monrad**, 3GPP CT Chairman, Ericsson
- Packed Core Network evolution in China, **HU Huadong**, Standard Manager, Huawei

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Seminar agenda (2)

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China Market, Industry perspective

- The Status of TD-LTE Industry, **WANG Peng**, Director of Industry Department, TDIA
- TD-LTE's demand on Standardization, **HUANG Yuhong,** CMCC

3GPP GERAN

- Improvements to GSM, GPRS and EDGE to interact with the LTE experience, **Andrew Howell**, 3GPP GERAN Chairman, RIM
- The industry Experience on Multi Networks Management, **WANG Xinhui** , Vice-Chair of 3GPP GERAN, ZTE

3GPP RAN

- LTE Status report and the plans for 3GPP Release 12 and beyond, **TANG Hai**, 3GPP RAN Vice-Chairman, CMCC

RAN 5 Conformance Testing

- **Shicheng HU**, Technical Expert, STF160 Project leader

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Some Release 12 talking points

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New demands – Subject to a Workshop at TSG-SA in December 2012

Non-3GPP: Offload & Convergence

- **WLAN Network Selection for 3GPP Terminals** (WLAN_NS)
- Study on **Optimized Offloading to WLAN in 3GPP-RAT mobility** (FS_WORM)
- Study on **S2a Mobility based On GTP and WLAN access to EPC** (FS_SaMOG)
- **Policy and Charging Control for supporting fixed broadband access networks** (P4C)
- **IMS Business Trunking for IP-PBX in Static Mode of Operation** (BusTI)

System Stability

- **User Plane Congestion management** (UPCON)
- Study on **Core Network Overload** (FS_CNO)
- **Machine-Type and other mobile data applications Communications enhancements** (MTCe: SDDTE, UEPCOP)

Operational Excellence

- **Self-Organizing Networks** (SON)
- **OSS Interface Harmonization**
- **Codec for Enhanced Voice Services** (EVS_codec)
- **High Efficiency Video Coding** (HEVC)
- Study on **Security Assurance Methodology for 3GPP Network Elements** (FS_SECAM)

New Revenue Streams

- Study on **Proximity-based Services** (FS_ProSe)
- **Group Communication System Enablers for LTE** (GCSE_LTE)
- Study on **Improved Support for Dynamic Adaptive Streaming over HTTP in 3GPP** (FS_IS_DASH)
- **Integration of Single Sign-On (SSO) frameworks with 3GPP networks** (SSO_Int)
- **Machine-Type and other mobile data applications Communications enhancements** (MTCe: MONTE, GROUP)

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