



NGN Environment in China

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- **NGN Strategic Plan Overview**
- **NGN Test-bed Environment Overview**
- **NGN Related Technology Development Status**



Strategic Plan

- **Start research as early as the end of 1990s**
 - “Experimental network of China’s high-speed interconnection research” founded by the National Natural Science Foundation of in 1999
 - “Research on strategic development of new generation information network (NGN)” (863 program)
 - CNGI project led by National Development and Reform Commission
 - “Research on development strategy of next generation telecom network” launched by the MII
- Pay great attention to international NGN standards
- Call Server based standards and trials
- IPv6 standards and trials
- ASON standards and trials
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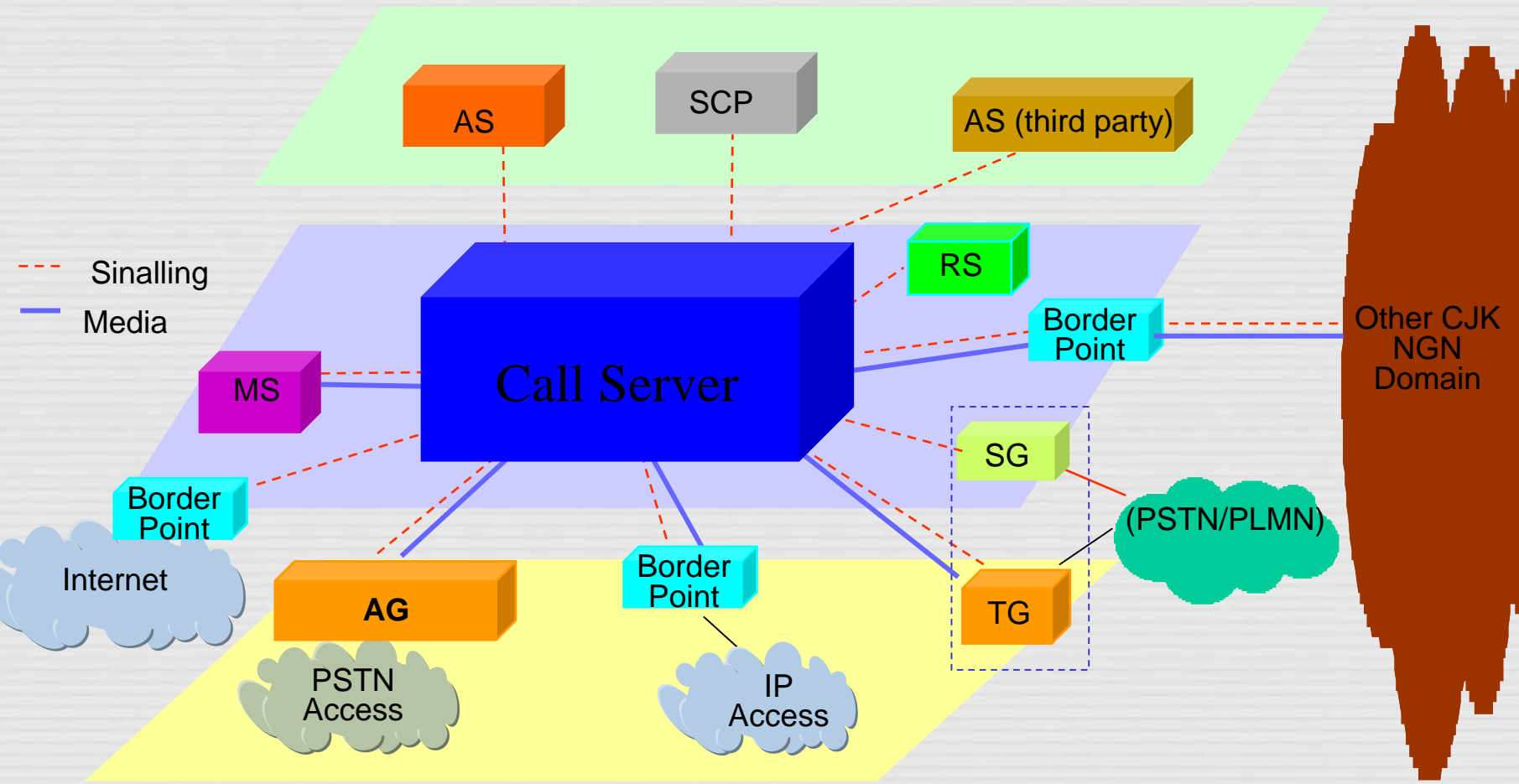
Test-bed Environment

- Call server based trial:
 - China Telecom
 - China Unicom
 - China Mobile
 - China Netcom
 - China Railcom

 - RTNet(Reference Telecommunication Network, CATR)
 - Call Server
 - IPv6



Test-bed Environment



- Some function need to be enhanced



Technology Development

- **Call Server Based Specification**
 - **Networking**
 - **Equipments**
 - **Protocols**
 - **Services**
- **Call Server Based Product**



Technology Development

- **Call Server Based Specification**
 - **Networking Technology**
 - **Technical Requirements and Testing Specification for Equipments, such as:**
 - Call Server
 - Signalling Gateway
 - Integrated Access Media Gateway (AG)
 - IP/ATM Trunk Media Gateway
 - Application Server
 - Media Server
 - Integrated Access Device
 - SIP /MGCP/H248 /H323 terminal
 - PARLAY gateway
 - **Technical Requirements and Testing Specification for protocols, such as:**
 - H248/MGCP/BICC/SCTP/SIP/M2PA/M2UA/M3UA/IUA/V5UA/
 - PARLAY/DIAMETER/TRIP
 - etc.



Technology Development

- **Call Server Based Specification**
 - **Service Specification**
 - **Service System**
 - **Call Forwarding Services**
 - **Number Identification Services**
 - **Click To Dial Services**
 - **etc.**



Technology Development

- **Product**
 - **Huawei, ZTE, Siemens, etc.**
 - **Call Server/AS/MS/SG/TG, etc**



· **Thanks for your attention!**