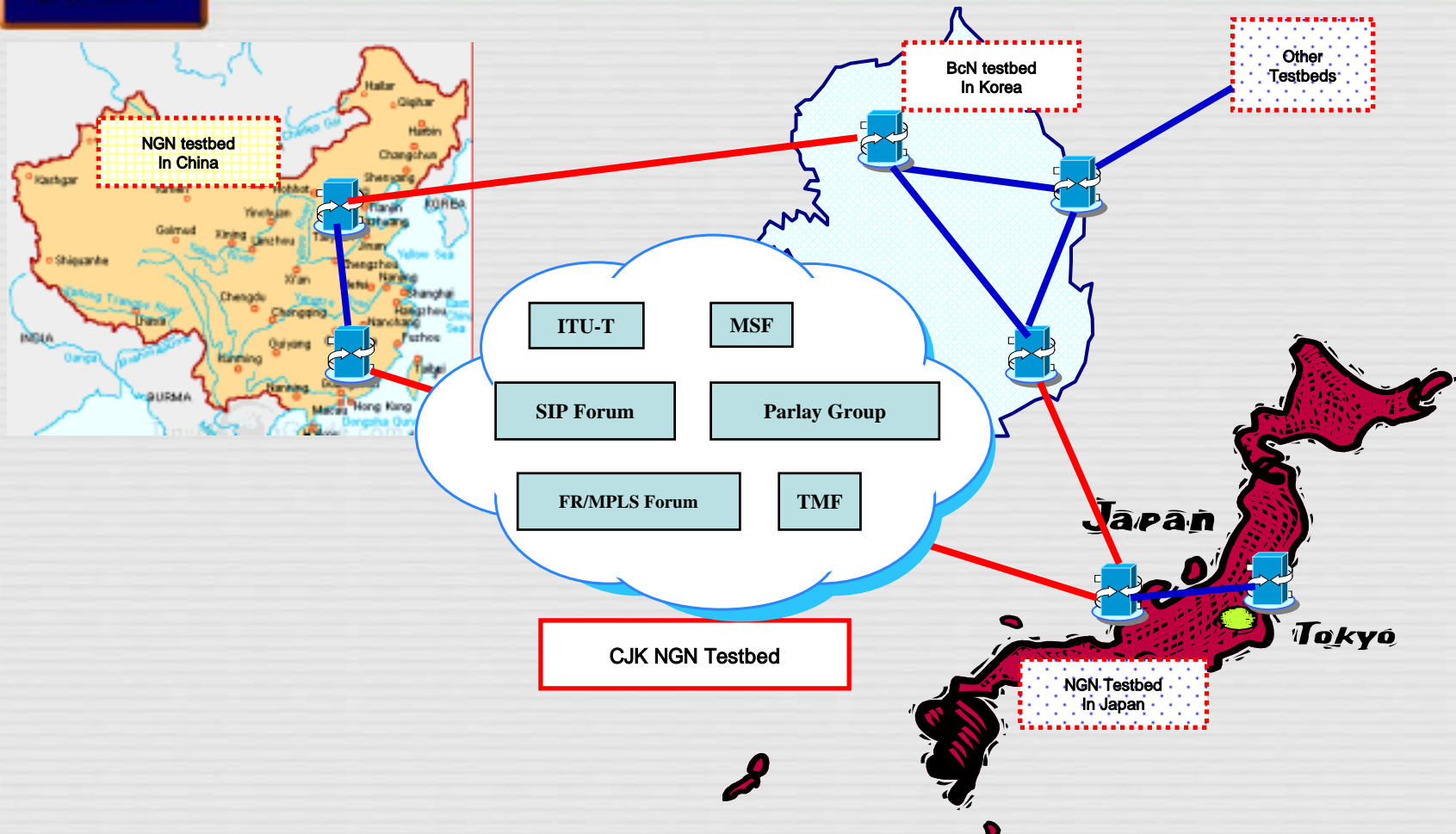# Test-bed Consideration in CCSA

Xueli Zhang

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CJK 4th NGN-WG Meeting
June 24, Beijing, China

Test-bed Agreement
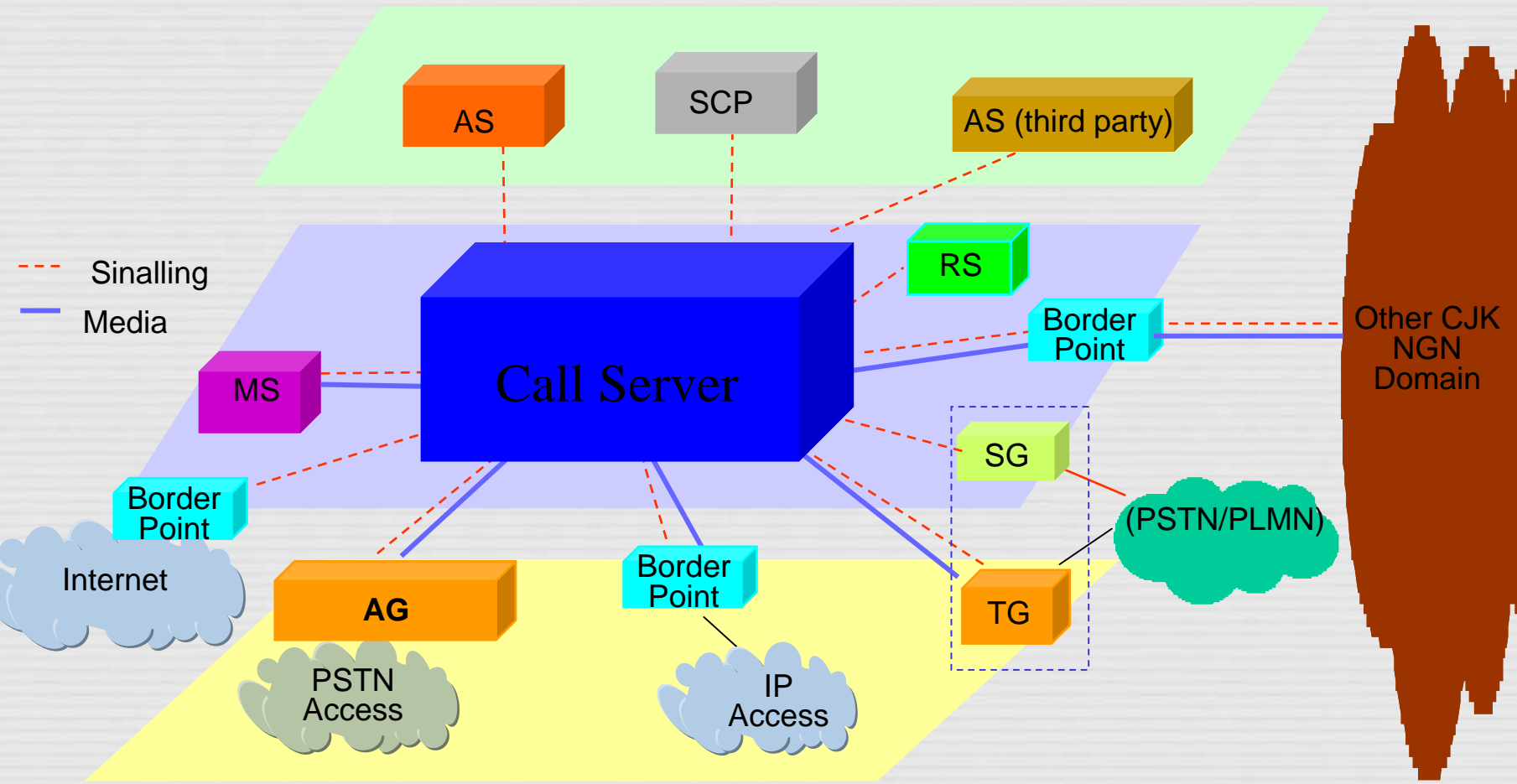

- March 2005, 3rd CJK NGN WG

Network Alternative

- Call Server Based System
  - Two Levels
    - APII Project/RTNet (Reference Telecommunication Network, CATR)
    - Carrier's Trial System/Network

  - Level needs to be discussed according to:
    - Network architecture in each CJK domain
    - Test scenarios and items

Call Server Based Network Architecture

- Sinalling
- Media

AS

SCP

AS (third party)

RS

Border Point

Other CJK NGN Domain

MS

Call Server

Border Point

SG

(PSTN/PLMN)

Internet

AG

Border Point

TG

PSTN Access

IP Access

•Some function need to be enhanced

- Configuration
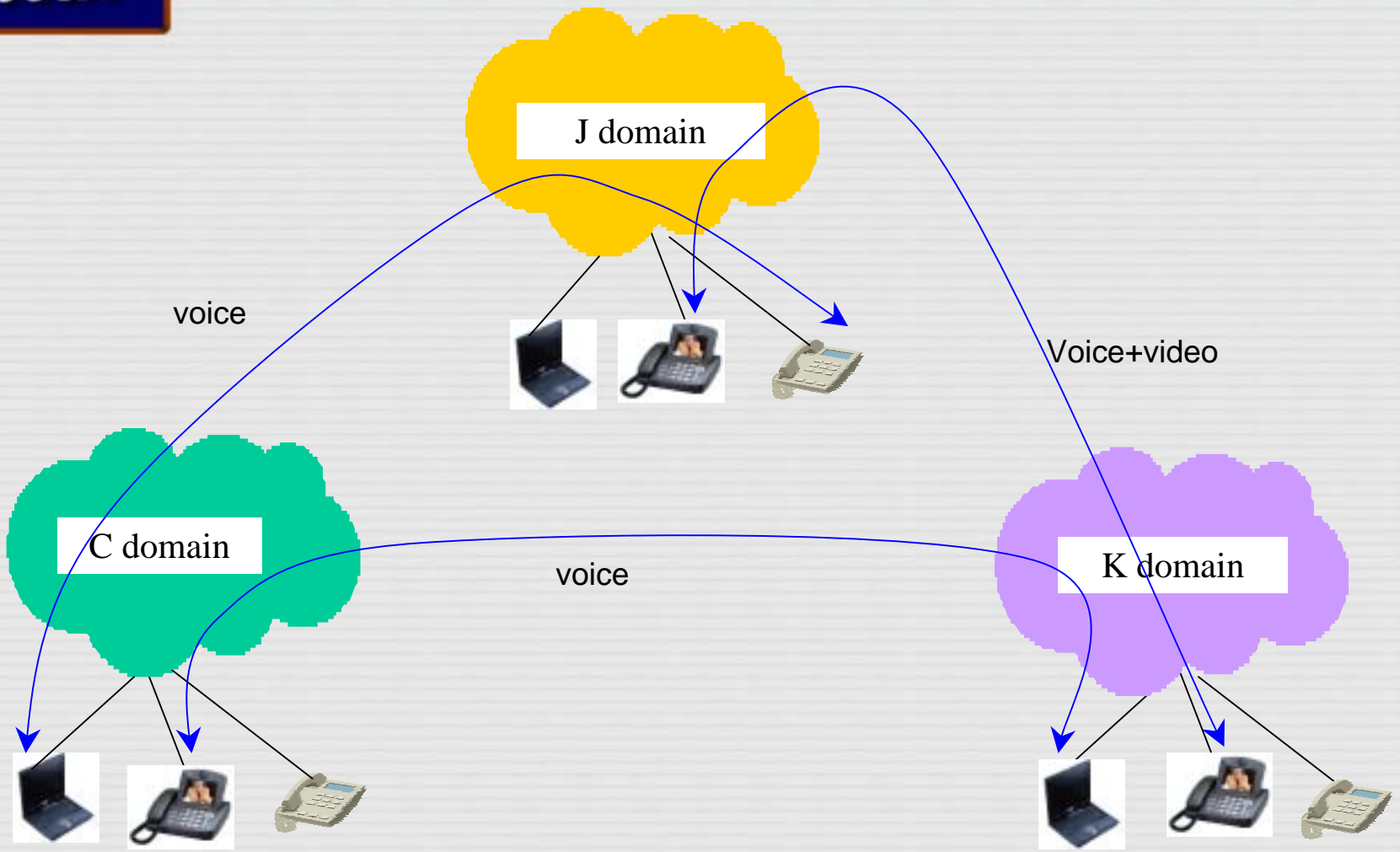 - Public IP Address for Call Server

- Items
  - Service:
    - Voice: as the start service, Point to Point, real time
    - Video: as the next step
  - Performance:
    - Service layer: related with the specified service (voice/video)
      - End to end call set up delay
      - Call Completion Rate
    - Transport layer:
      - IP Packet Transfer Delay (IPTD)
      - IP Packet Delay Variation (IPDV)
      - IP Packet Loss Rate (IPLR)
      - Etc.

- Scenarios
  - Call between subscribers in different country
    - Voice/video
    - Same/Different access
    - PES
    - PSS
    - Interworking between PES and PSS
  - Subscriber nomadizing to another country

Test Scenarios and Items

- Question and Discussion