

ENUM Experience Sharing

APAN ENUM BoF

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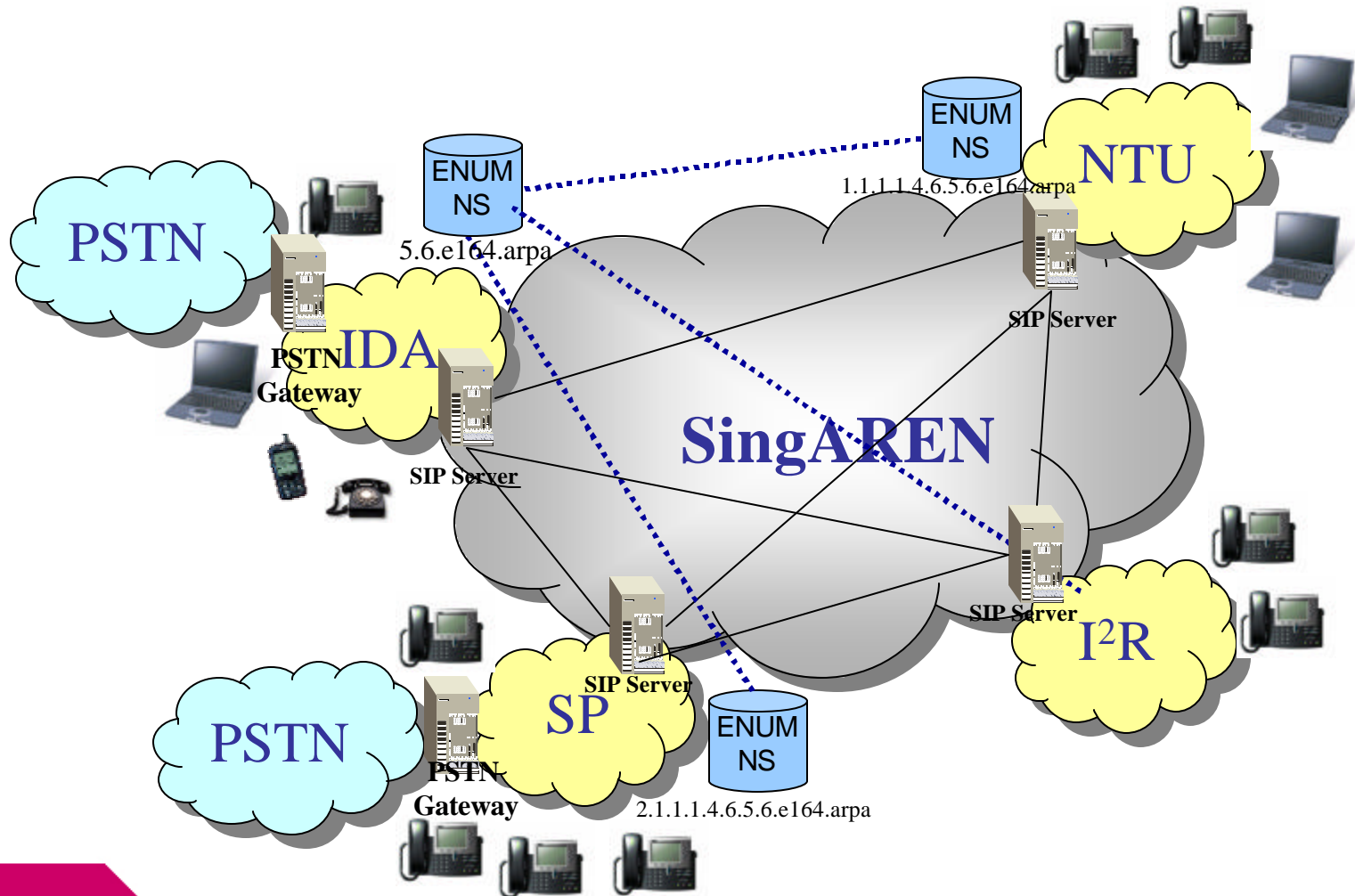
25/08/05

ENUM Experience

Sharing

- IP Telephony / ENUM Tech Trial over SingAREN
- APEET

IP Telephony / ENUM Tech Trial Tech Trial Network



IP Telephony / ENUM

Tech Trial Lessons from the

Trial

- ENUM works!
- Technology issues not with ENUM, but IP Telephony
 - User familiarization with dial-plan (IP-PSTN interconnection)
 - NAT and Firewall issues
 - Security policy issues
- ENUM is more of a policy issue than a technology issue
 - Numbering, Administration / Registration, and Privacy

What's APEET?

- Asia Pacific ENUM Engineering Team
 - Formed in July 2004 by CNNIC, JPRS, KRNIC, SGNIC and TWNIC
 - Not an organization but a project team
 - Official Website: <http://www.apenum.org/>
 - Charter - <http://www.apenum.org/Charter>
 - Objectives
 - **Conduct ENUM trials.**
 - **Share ENUM software**
 - **Share the common “golden root” APENUM.ORG for trials**
 - **Outreach Activities such as workshops/trials**
 - **Monitor development of Carrier ENUM**

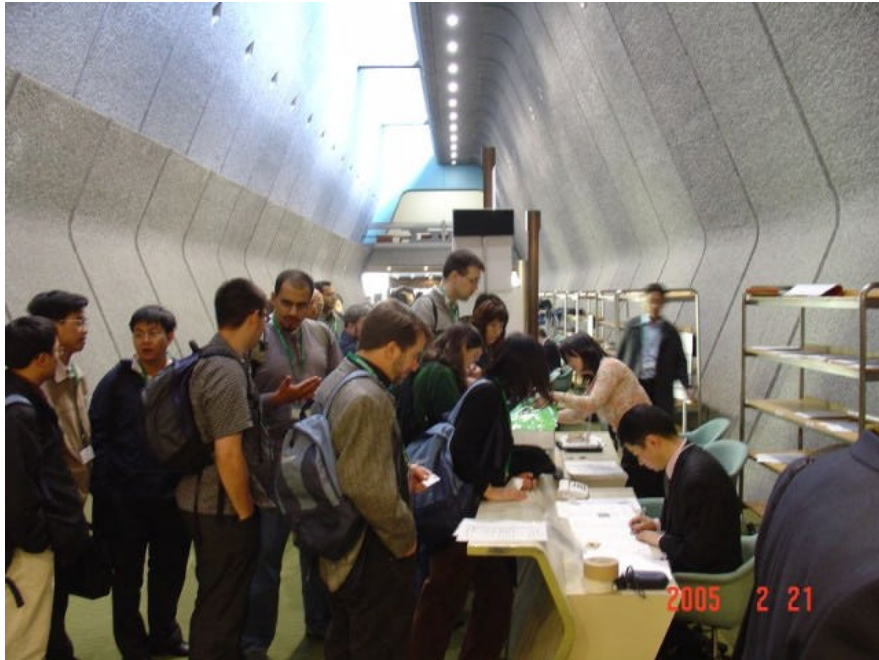
APEET ENUM/SIP Live Trial

- **APRICOT 2005 in Kyoto**
 - Asia Pacific Regional Internet Conference for Operational Technologies (APRICOT)
- Objectives of Trial
 - Provide opportunity for participants to experience SIP and ENUM
 - Not providing a “Telephone Service” -> No warranty, no guarantee
- What participants did
 - SIP communication between conference members
 - Overseas phone call
 - Limited to China , Singapore, Sweden, Taiwan and US
 - ENUM Information Registration
 - URIs associated with individual ENUM
 - Phonebook (opt-in)

APEET ENUM/SIP Live Trial

APRICOT 2005 in Kyoto

<http://www.apenum.org/>



APEET ENUM/SIP Live Trial

Results and Comments from Participants

➤ Trial Results

➤ Trial Period: 21st Feb 2005 – 25th Feb 2005

➤ Call Statistics

	APRICOT	CN	SG	SE	TW	US	Total
200-OK	3227	1755	1017	2	787	1095	7883
481-Call leg does not exist	43	23	7	0	88	31	192
486-Busy	62	7	35	0	0	6	110

“This Live Trial has achieved more than what a hundred presentations can do in evangelizing the technology”

Richard Shockey,
IETF ENUM Working Group co-chair and
Senior Manager, Strategic Technology Initiatives, NeuStar Inc.

“Seeing conference participants fight to get a phone so they can participate is the best score a live trial can get”

Patrik Fältström,
Cisco Systems,
co-author of ENUM specification.

Demo

<http://jprs.co.jp/enum/software/software.html>

<http://www.enum.cn/Enum/EnumReg/EnumBar/EnumBar.exe>