

# ENUM Activities in AP Region

**第5回ETJP全体ミーティング**  
**2004.7.27**

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**内容は、2004.7.開催のAP\* retreatでの発表原稿より抜粋**

## *Worldwide Delegees*

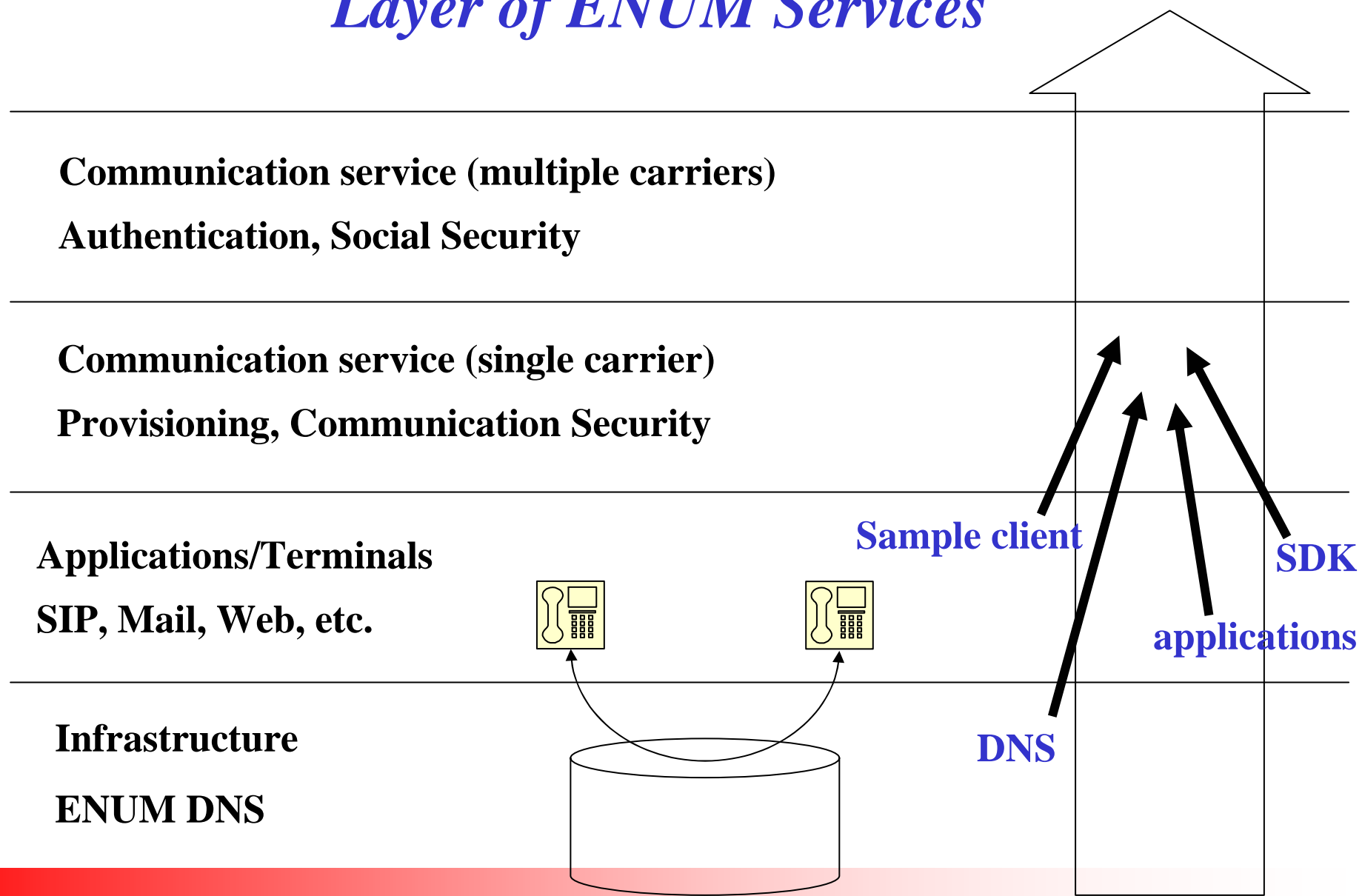
**As of June 29, 2004**

<b>E.164 Country Code</b>	<b>Country</b>	<b>Delegee</b>	<b>Date of TSB Approval dd/mm/yy</b>
246	Diego Garcia	Government	12/08/02
247	Ascension	Government	12/08/02
290	Saint Helena	Government	12/08/02
31	Netherlands	Ministry	23/05/02
33	France	DiGITIP (Government)	28/03/03
353	Ireland (e)	Commission for Communications Regulation	25/05/04
358	Finland	Finnish Communications Regulatory Authority	26/02/03
36	Hungary	CHIP/ISzT	15/07/02
374	Armenia	Arminco Ltd	11/07/03
40	Romania	MinCom	10/12/02
41	Switzerland	OFCOM	01/10/03

## *Worldwide Delegees - continued*

<b>E.164 Country Code</b>	<b>Country</b>	<b>Delegee</b>	<b>Date of TSB Approval dd/mm/yy</b>
420	Czech Republic	Ministry of Informatics	24/06/03
421	Slovak Republic	Ministry of Transport, Post, and Telecommunications	04/06/03
423	Liechtenstein	SWITCH	21/10/03
43	Austria	Regulator	11/06/02
44	UK	DTI/Nominum	16/05/02
46	Sweden	NPTA	10/12/02
48	Poland	NASK	18/07/02
49	Germany	DENIC	16/05/02
55	Brazil	Brazilian Internet Registry	19/07/02
65	Singapore	IDA (Government)	04/06/03
86	China (c)	CNNIC	02/09/02
878 10	(a)	VISIONg	16/05/02
971	United Arab Emirates	Etisalat	13/01/03
882 34	(d)	Global Networks Switzerland AG	05/03/04

# *Layer of ENUM Services*



## *Past Activities in AP region - APRICOT -*

- **APRICOT 2003 (Feb. 26, 2003 @ Taipei)**
  - **Past, present and future development of ENUM in perspective regions**
    - **Neustar**
    - **Korea Network Information Center (KRNIC), Korea**
    - **Taiwan Network Information Center (TWNIC), Taiwan**
    - **Japan Registry Service Co., Ltd. (JPRS), Japan**
  - **Introduction of activities**
- **APRICOT 2004 (Feb. 25, 2004 @ Kuala Lumpur)**
  - **Enum / SIP BoF**
    - **China Network Information Center (CNNIC), China**
    - **Japan Registry Service Co., Ltd. (JPRS), Japan**
    - **Korea Network Information Center (KRNIC), Korea**
    - **Taiwan Network Information Center (TWNIC), Taiwan**
    - **Infocomm Development Authority (IDA), Singapore**
  - **Introduction of activities / cooperation in AP region**

## *Past Activities in AP Region - APT-ITU Workshop -*

- **Aug. 15, 2003 @ Bangkok**
  - SIEMENS AG
  - Australian Communications Authority (ACA), Australia
  - International Telecommunication Union (ITU)
  - Korea Network Information Center (KRNIC), Korea
  - Ministry of Public Management Home Affairs, Posts and Telecommunications (MPHPT) & Japan Registry Service (JPRS), Japan
- **May 22, 2004 @ Bandar Seri Begawan**
  - IETF ENUM WG Co-Chair
  - International Telecommunication Union (ITU)
  - Australian Communications Authority (AC), Australia
  - Ministry of Information Industry, China
  - Korea Network Information Center (KRNIC), Korea
  - OEFEG, Austria
  - Japan Registry Service Co., Ltd. (JPRS), Japan
  - Infocomm Development Authority (IDA), Singapore

# ***APEET (Asia pacific ENUM Engineering Team)***

- **Charter**

- **APEET is a project team with no formal entity**
- **APEET engineers are supported by their respective organizations**
- **The cost for the collaborations are voluntarily supported by the participating organizations**
- **APEET will be dissolved if and when the project has been terminated**

- **Membership**

- **Initial members**
  - **CNNIC, JPRS, KRNIC, SGNIC, TWNIC**
- **Qualification**
  - **ccTLD administrators (or its designated representatives)**
  - **NO objections from existing APEET members**
- **Vendors and others can join the ENUM trial organizations in each country/region.**
- **individual experts are invited to participate the meeting**

## ***APEET – continued(1)***

- **Objectives**
  - **APEET members may conduct some ENUM/SIP trials**
  - **APEET members may share ENUM software**
  - **APEET members share the common "golden root" APENUM.ORG for the trials**
  - **APEET members will do ENUM/SIP outreach activities, such as ENUM/SIP workshop and live trial at APRICOT 2005, etc.**
- **Composition of the APENUM.ORG**
  - **APENUM.ORG will be jointly hosted by its members and relevant organizations**
    - **with help of APNIC**
  - **The numbers APEET assigns under APENUM.ORG are NOT E.164 (Phone) numbers. They are identifiers for the use of the technical trials only**
  - **Each APEET member is entitled to choose a number of their choice as a prefix of its ENUM numbers**



## *APEET – continued(2)*

- **Milestones**

- **Jul 04 ?**

- **Public announcement of the formation of APEET**

- **16 Jul 04**

- **1st APEET meeting at Singapore**
  - **Venue: SGNIC, Proof of Concept Lab.**

- **Aug 04**

- **Interim technical meeting at San Diego (during IETF)**

- **Nov 04**

- **Interim technical meeting (during IETF)**

- **Feb 05**

- **2nd APEET meeting at Kyoto (during APRICOT 2005)**
- **Full day ENUM/SIP track**
- **ENUM/SIP live trial**

## *Current Members*

- **SGNIC**
  - James Seng
  - Tan Yeow Hui
  - Dickson Loh
- **CNNIC**
  - Xiaodong(Sheldon) LEE
  - Hui CHEN
  - Hongguan WEN
- **JPRS**
  - Yoshiro Yoneya
  - Hiro Hotta
- **KRNIC**
  - Sungwoo Shin
  - Jung-Jung Na
  - Jeong-Hyun Lee
- **TWNIC**
  - Ai-Chin Lu
  - Nai-Wen Hsu
  - Ching Chiao

## *ENUM and VoIP Track at APRICOT 2005*

- **goal is** (being proposed)
  - **To educate participants on**
    - **ENUM and SIP basic concepts**
    - **the underlying technologies**
    - **potential applications**
    - **deployment status in Asia Pacific.**
  - **To share information and experiences**
  - **To discuss common problems and solutions**
  - **To find areas of collaborations**
- **Draft Agenda**
  - **Session 1 - Introduction to IP Telephony**
  - **Session 2 - IP Telephony Deployment**
  - **Session 3 - ENUM/SIP Deployment Status**
- **Expected Audience and Attendees**
  - **network engineers from ISPs, telcos and NICs**
  - **VoIP vendors, service providers and hardware/equipment manufacturers**
  - **government officials and policy makers**
  - **individuals interested in ENUM and VoIP development in Asia Pacific**

## *References*

- **APEET**
  - <http://www.apenum.org/>
- **APRICOT**
  - **2003**
    - <http://www.apricot.net/apricot2003/index.htm>
  - **2004**
    - <http://www.apricot.net/apricot2004/default.htm>
  - **2005**
    - <http://www.2005.apricot.net/>
- **Presentations in APT-ITU Workshop**
  - **Aug. 2003**
    - <http://www.aptsec.org/meetings/2003/workshop/default.htm>
  - **May 2004**
    - <http://www.aptsec.org/meetings/2004/ENUMIDN/default.htm>
- **Presentation in AP\* Retreat**
  - **Feb. 2004**
    - <http://www.apstar.org/kl/040222ENUMatAPSTAR.ppt>