

# Internet Internationalization and Globalization - Focusing on Internet Names -

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# 1. Internationalization and Globalization –Introduction

*Internationalization :*

To accommodate various languages and cultures

*Globalization :*

To include various communities & regions of the world

## 2. Internationalization (and Localization)

### 2.1 Internationalization

Facilitation of implementation of various languages & cultures

- Code :

  - 7 bit code(ASCII)

  - 8 bit code

  - 2 byte code

  - Unicode

- Mail

- WWW

- Domain Names(DNS)

- Directory

- Others:

  - Computer Languages

  - (more)

## 2. Internationalization (and Localization) [continued]

### 2.2 Localization

- Implementation of specific language and culture
- Content(plain text, multimedia text,...)

### 3. Globalization

1970s (Arpanet)

1980s (Internet)

Mail(early 1980s)

ccTLD(mid-80s)

IP Interconnection(mid-80s)

1990s(Internet)

ccTLDs : All countries and regions(240 ccTLDs)

IETF [Internet Engineering Task Force]

ICANN[Internet Corporation of Assigned Names & Numbers]

## 3.1 Internet Users

> 300 million users in 2000

240 countries and economies

Growing 50% or more per year

## 3.2 Protocol Development(IETF)

- 3 times a year
  - 2 times in USA a year
  - Once outside of USA a year
- 20% or more contributions outside of USA

## 3.3 Internet Administration(at ICANN)

Geographical Diversity

members

meeting locations

secretariats

## 4. Issues

- (1) What internationalization is needed to have true globalization?
- (2) Multilingual domain names vs keywords
- (3) Asian contribution to the global Internet community
- (4) Community development

## 4.1 What internationalization is needed to have true globalization?

User Interface

Content

(more)

## 4.2 Multilingual domain names vs keywords

Domain Names: 李星@清華.教育.中國

Keywords: 清華, 李星

## 4.3 Asian contribution to the global Internet community

Internationalization of the Internet

Content

Global Outreach and Awareness

(more)

## 4.4 Community Development

Research and Education Communities

Business Communities

Age Group Communities

Minority Group Communities

# Reference

MINC(Multilingual Internet Names Consortium)

[www.minc.org](http://www.minc.org)

IETF(Internet Engineering Task Force)

[www.ietf.org](http://www.ietf.org)

ISOC(Internet Society)

[www.isoc.org](http://www.isoc.org)

ICANN(Internet Corporation of Assigned Names and Numbers)

[www.icann.org](http://www.icann.org)

POSIX

[www.ieee.org](http://www.ieee.org), [www.JTC1.org](http://www.JTC1.org)