TWNIC variant management

TWNIC

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Contents

- Background
- RFC3743/RFC4713
- IANA variant table
- Registration policy

CDNC

- 2000/5 CNNIC, TWNIC, HKNIC and MONIC set up Chinese domain name consortium (CDNC) in charge of the coordination and regulation about Chinese domain name

- CDNC focus on technical solution for Chinese domain name including IETF IDNA standard, Chinese variant etc.

- 2001/10 CDNC suggest using variant table to implement SC/TC resolution

Chinese variant table

- 2002/02 TWNIC form Chinese variant working group, member includes:
  - Academia Sinica
  - National Central University
  - Taipei Computer Association
  - Directorate-General of Budge, Accounting and Statistics
  - Chinese Foundation for Digitization Technology
  - IBM

Chinese variant table

- 2002/5 Register for National Standard
- 2002/6, 2002/8, 2002/10, 2002/11, 2002/12, 2003/5, 2003/7 submit Chinese variant table for Domain name registration standard (drafts)
- 2003/9 Examine the standard
- 2004/1 Reviewed by National Standard Technology Committee
- 2004/5 Approved by committee

Chinese variant table

- 2004/7 publish as National Standard: CNS 14838
- 2005/3 publish as IANA .TW Chinese variant table: http://www.iana.org/domains/idn-tables/tables/tw_zh-tw_4.0.1.html

Chinese variant example

4E9A 二 7.4 — G0-5147

4E9C 二 7.5 — GE-2140, T3-2442, J0-3021, K2-2150, KP1-347F

4E9E 二 7.6 — G1-5147, T1-4B69, J0-5033, K0-642C, KP0-F6FD, V2-8A2C

4E3E 、 3.8 — G0-3E59

6319 手 64.6 — GE-2B3A, T3-3132, J0-3573, K2-352B, KP1-45A5

64E7 手 64.14 — GE-2C27, T3-576D, J0-5A29, K0-4B61, KP0-CEC8, H-8EE6

8209 白 134.10 — G1-3E59, T1-7528, J0-5A2A, K2-5645, KP1-6C59, V1-6442

4E21 一 1.5 — GE-2126, T3-2261, J0-4E3E, K2-2126, KP1-3415, H-994F

4E24 一 1.6 — G0-413D, T3-243F, J1-3028, K2-2127, KP1-3418, H-89CE

5169 入 11.6 — G1-413D, T1-4C25, J0-5140, K0-5557, KP0-D7DE, V1-4C46

JET guideline

- RFC 3743 Joint Engineering Team (JET) Guidelines for Internationalized Domain Names (IDN) Registration and Administration for Chinese, Japanese, and Korean.

- A language variant table include:
  - Valid Code Point
  - Preferred Variant
  - Character Variant

IDN administration guideline

- RFC 4713 Registration and Administration Recommendations for Chinese Domain Names
- A solution for Chinese domain name registration and administration that has been adopted and deployed by and to manage Simplified Chinese and Traditional Chinese domain name equivalence

IANA variant table

- The ZH-TW Language Table defines all the 19520 Chinese characters in Chinese character variant table for traditional Chinese domain name registration, and the registration guideline for Chinese domain name has been expressed as an IETF draft: Registration and Administration Guideline for Chinese Domain Names

- The variant table is same as Nation Standard: CNS 14838

Registration procedure

- Language tables include Simplified Chinese and Traditional Chinese
- Activation of the requested domain name(s) & Reservation of the equivalence(s) should be provided by the Registry, within the language-based character set

Registration procedure