互联网名称与数字地址分配机构

gTLD —

ICANN

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— 18 2007 10 (GNSO) — ICANN

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ICANN (GAC) (ALAC)

(ccNSO) (SSAC) 2008 6

ICANN http://gnso.icann.org/issues/new-gtlds/

gTLD

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2009

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Paul Twomey

gTLD

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(ICANN)   ICANN

![ICANN logo]

24.10.2008

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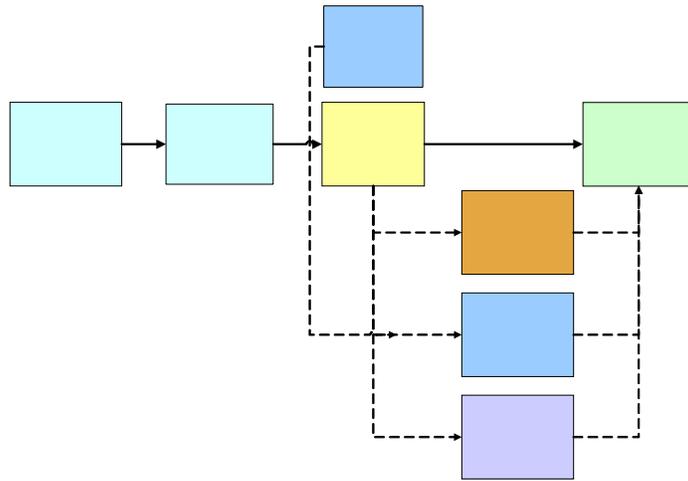
ICANN   1-1

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1-2   A   B   C   .EXAMPLE
                                    A   C   B
                            B   C
                                C   A
            B   C
                                                    B
            C
                    A   B

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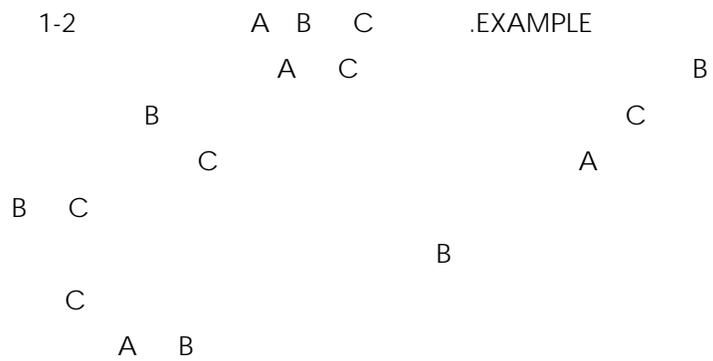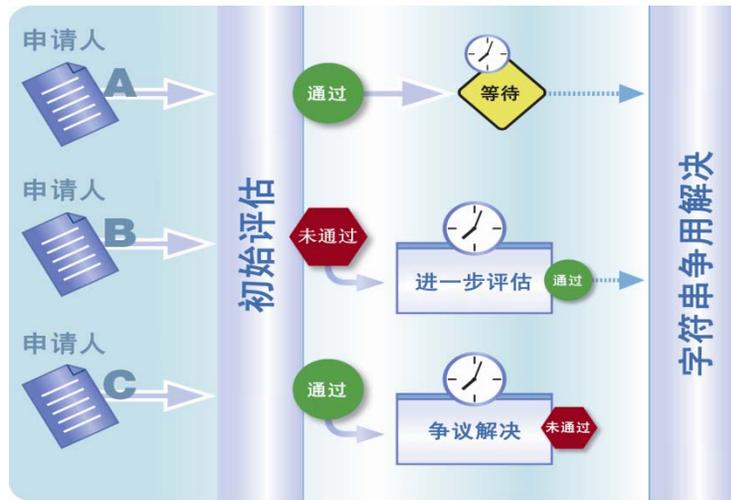
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RFP **gTLD**

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1.2.4 *gTLD*

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Web

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ICANN gTLD

gTLD ICANN

gTLD

RFC 3696

http://www.ietf.org/rfc/rfc3696.txt?number=3696

IDN   IDN

http://idn.icann.org/

1.2.5

RFP   6

1.3

gTLD   (IDN)

DNS   IDN   A   IDN

LDH   a   z   0   9   "-"

IDNA   IDNA

http://www.icann.org/en/topics/idn/rfcs.htm

U   **A**   gTLD

A   IDNA   ASCII   A

IDNA ACE   "xn--"   Punycode

59   ASCII

DNS

RFC 1034   RFC 1123   LDH

U   IDNA   Unicode   ASCII

Unicode   UTF-

8

IDN U

<**испытание**> A   <**xn—80akhbyknj4f**> A

U   U   A

IDN gTLD

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2.   (ISO 639-1)   ISO

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3.   (ISO 15924)   ISO

gTLD

4. Unicode   U   Unicode

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(http://www.arts.gla.ac.uk/IPA/ipachart.html)

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6.   IDN

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http://iana.org/domains/idn-tables/

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ICANN   TLD   (TAS)

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           (SSL) —   SSL
                                 TAS   SSL

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70,000　122,000

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[http://www.icann.org/zh/topics/new-gtld-](http://www.icann.org/zh/topics/new-gtld-draft-agreement-24oct08-zh.pdf)
[draft-agreement-24oct08-zh.pdf](http://www.icann.org/zh/topics/new-gtld-draft-agreement-24oct08-zh.pdf)

1.5.2

ACH   ICANN

1.5.2.1

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1.5.2.2   ACH

ACH   TAS

1.5.2.3

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    http://www.icann.org/en/financials/credit.pdf

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Internet Corporation for Assigned Names and Numbers
(ICANN)
            Finance Department
4676 Admiralty Way   Suite 330
Marina del Rey   CA 90292-6601 USA

1.5.2.4

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(ICANN)
            Finance Department
4676 Admiralty Way   Suite 330
Marina del Rey   CA 90292-6601 USA

1.5.3

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草案 — 新 gTLD 方案 — 评估流程

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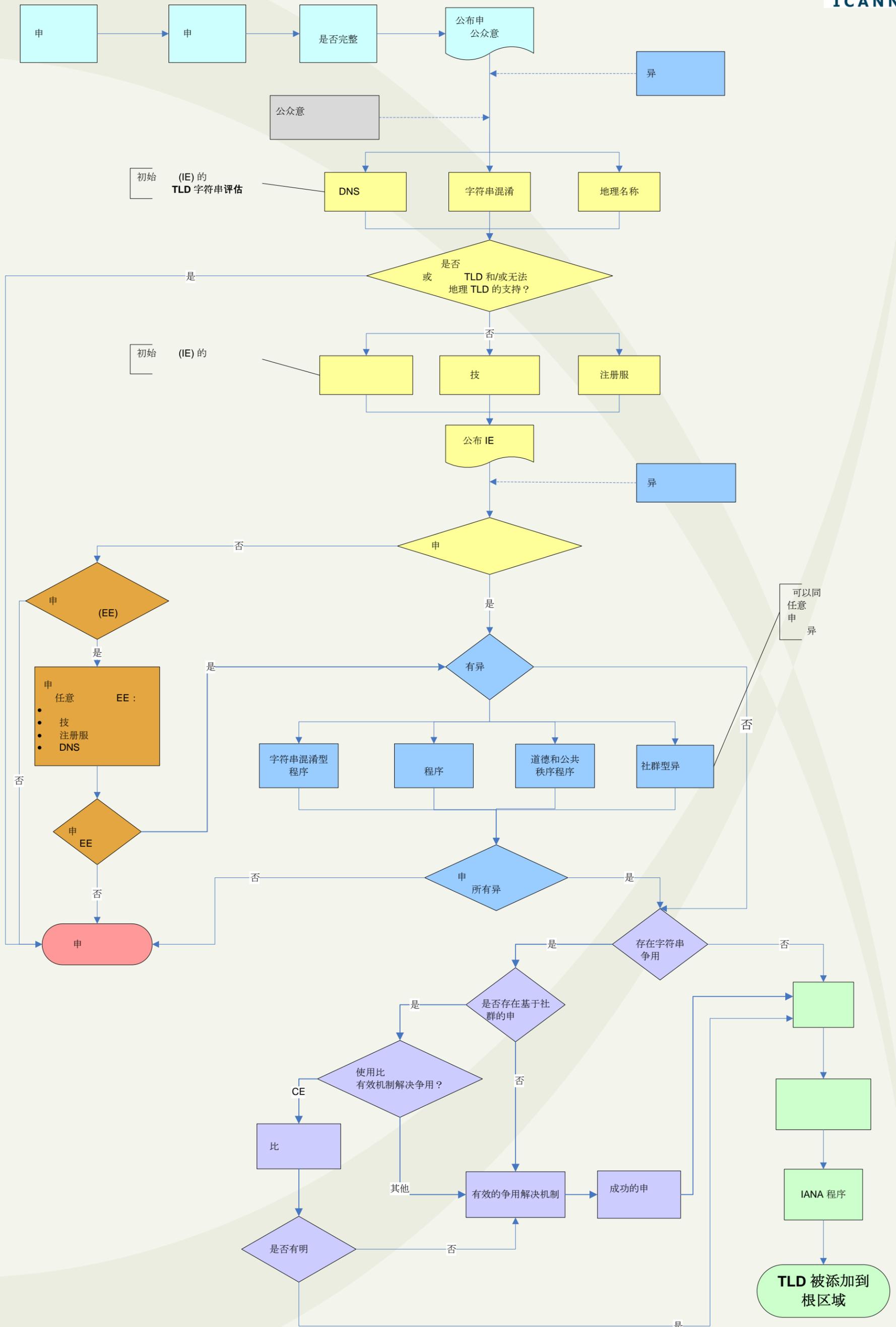
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- gTLD gTLD
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http://iana.org/domains/root/db/

TLD TLD
TLD

"foo" "
Foo" (RFC 3490)

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gTLD —
gTLD

4" "

ICANN

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ccTLD ***TLD*** —

gTLD   IDN ccTLD

http://www.icann.org/en/topics/idn/fast-track/

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IDN ccTLD   ICANN

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http://80.124.160.66/icann-algorithm

" "

2.1.1.2

gTLD

AFRINIC	IANA-SERVERS	NRO
ALAC	ICANN	RFC-EDITOR
APNIC	IESG	RIPE
ARIN	IETF	ROOT-SERVERS
ASO	INTERNIC	RSSAC
CCNSO	INVALID	SSAC
EXAMPLE*	IRTF	TEST*
GAC	ISTF	TLD
GNSO	LACNIC	WHOIS
GTLD-SERVERS	LOCAL	WWW
IAB	LOCALHOST	
IANA	NIC	

*	ICANN	"test" "example"

gTLD

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2.1.1.3 *DNS*

gTLD   DNS

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2.1.1.3.1

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2.1.1.3.2   DNS

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2.1.1.3.2

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2.1.1.3.2 *字符串要求*

ICANN　　　　　　　gTLD

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- ASCII

(RFC1035)

DNS　　　　　　(RFC 2181)

- 63

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- ASCII

DOD　　　　　　　　(RFC 952)

— 　　　　(RFC 1123)

(RFC 3696)

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- ASCII   IP

"255"   "o377"   "0xff"

IP

  - "0"   "9"

  - "0x"   "x"
    "0"   "9"   "a"   "f"

  - "0o"   "o"   "0"   "7"

- ASCII   A   ASCII

- ASCII   U

— ASCII

IETF

IDNA   Unicode

- (RFC 3490)

  - *Unicode   IDNA*
    (http://www.ietf.org/internet-drafts/draft-ietf-idnabis-tables-02.txt)   " " Unicode

  - *Unicode   15*
    Unicode   "   C"

    http://unicode.org/faq/normalization.html

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- ICANN

  http://www.icann.org/en/topics/idn
  [/implementation-guidelines.htm](http://www.icann.org/en/topics/idn/implementation-guidelines.htm)

  - *Unicode*
    24 Unicode

  -

IDNA

http://tools.ietf.org/wg/idnabis

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2.1.1.4 *地理名称*

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2.1.1.4.1

- ISO 3166-1 http://www.iso.org/iso
  [/country_codes/iso_3166_databases.htm](http://www.iso.org/iso/country_codes/iso_3166_databases.htm)
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- ISO 3166-2

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  http://unstats.un.org/unsd
  [/methods/m49/m49regin.htm](http://unstats.un.org/unsd/methods/m49/m49regin.htm)

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http://www.icann.org/en/registries/rsep/rsep.html
http://www.icann.org/zh/topics/new-gtld-draft-agreement-24oct08-zh.pdf

http://www.icann.org/en/registries/rsep/

http://www.icann.org/en/registries/agreements.htm
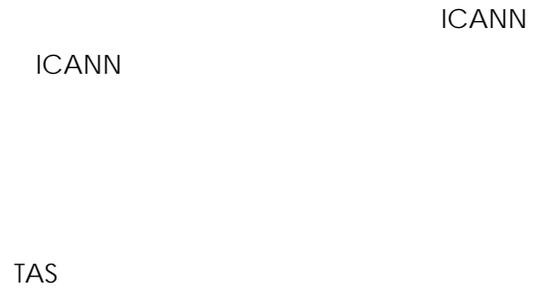
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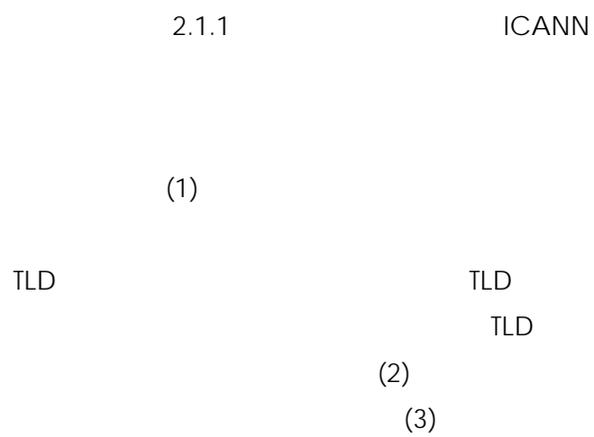
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- DNS 2.1.1.3
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http://www.icann.org/zh/topics/new-gtld-draft-evaluation-criteria-24oct08-zh.pdf

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gTLD DNS

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RSTEP

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gTLD

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草案 — 新 **gTLD** 计划 — 初始评估和进一步评估

ICANN

管理完整性 — 确
申

初始评估 — *字符串审核*

初始评估 — *申请人审核*

字符串混淆

DNS 稳定性

地理名称

业务运营标准

技术标准

注册服务

字符串相似性

TLD 或保留名称

技 gTLD

殊情况下，技
gTLD 很可能造成 DNS 不
并需要在

GNP gTLD
确保正确指定了所有地理名称

回答和支持文件

回答和支持文件

ICANN
服
哪些注册机构服
在

ICANN 确定
RSTEP

字符串相似性
申 gTLD

GNP 确
必要且有效的文件

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