

4

2

gTLD

ICANN

(ICANN)



(gTLD)

(ICANN)

(gTLD)

- -
 -
 - (DNS)
 -
- -
 -
 - (DNS)

2.32-2

2.1

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(ICANN)

2.2

(gTLD)

- (gTLD) _____

- (gTLD)
(DNS)

-

- _____

- _____

- (DNS)

2.2.1.1

(ICANN)

(gTLD)

2.2.1.1.1

(gTLD)

(TLD) _____ 2.2.1.2 -

(DNS)

(gTLD) _____

_____ ' _____
_____ 3 " _____ " 3 "
_____ "

2.2.1.1.1 _____ .1 _____

• _____ (gTLD) _____
(TLD)

• _____ (gTLD) _____
_____ (gTLD) _____

• _____ (gTLD) _____
(IDN) _____ (ccTLD) _____
_____ (ccTLDs) _____

_____ (TLD) _____

_____ (TLD) _____

_____ (TLD) _____

<http://iana.org/domains/root/db/> _____

(gTLD)

(TLD) _____

_____ (TLD) _____

_____ (IDN) _____

"

foo" "Foo" _____ (RFC 3490)

_____ (TLD) _____

<http://iana.org/domains/root/db/> _____

(ICANN) _____ (IDN) _____

<http://www.iana.org/domains/idn-tables/> _____

(gTLD)

_____ (gTLD) _____



_____ 4" _____ "

(ICANN) _____

(ICANN)

(IDN) _____ /

(ccTLD) _____

(gTLD) _____ (IDN) _____

/ _____ (ccTLD)

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

(TLD)

(IDN) _____ /

(ccTLD) _____ (ICANN)

(TLD) _____

_____ (gTLD) _____

_____ (IDN)

_____ / _____ (ccTLD) _____

_____ " " _____

_____ " _____ (IDN) _____ /

_____ (ccTLD) _____

_____ (gTLD) _____

_____ (IDN) / _____

_____ (ccTLD) _____

_____ (gTLD)

(IDN) _____
 _____ (ccTLD)
 (gTLD) _____ (IDN) _____
 _____ (ccTLD)
 " "-(validated)

<http://www.icann.org/en/topics/idn>

(gTLD) _____
 _____ (IDN)
 _____ (ccTLD)
 _____ (ccTLD)
 _____ (gTLD)
 _____ (IDN) _____ (ccTLD)

2.2.1.1.2 2.1.1.1.2

_____ (TLD) _____



1

2

2.2.1.1.32.1.1.1.3 _____

(TLD)

(gTLD)

¹ <http://icann.sword-group.com/algorithm/>

² <http://icann.sword-group.com/algorithm/>

(TLD)

(gTLD)

_____ 3" "

(gTLD)

_____ 3

_____ (gTLD)

_____ 4" "

2.2.1.2

_____ (gTLD)

_____ (gTLD)

2.1.1.2

_____ (gTLD)

<i>AFRNIC</i>	<i>IANA-SERVERS</i>	<i>NRO</i>
<i>ALAC</i>	<i>ICANN</i>	<i>RFC-EDITOR</i>
<i>APNIC</i>	<i>IESG</i>	<i>RIPE</i>
<i>ARIN</i>	<i>IETF</i>	<i>ROOT-SERVERS</i>
_____ (<i>ASO</i>)	<i>INTERNIC</i>	_____



		_____(RSSAC)
CCNSO	INVALID	_____ _____(SSAC)
EXAMPLE*	IRTF	TEST*
_____(GAC)	ISTF	_____(TLD)
_____(GNSO)	LACNIC	WHOIS
GTLD-SERVERS	LOCAL	WWW
IAB	LOCALHOST	
_____(IANA)	NIC	
* "test" "example"		(ICANN)

(gTLD)

 (gTLD) _____

 _____ (gTLD) _____

2.2.1.32.1.1.3

(DNS)

(gTLD)

(DNS)

(gTLD)

(gTLD)



2.2.1.3.12.1.1.3.1 (DNS)

_____ (gTLD)
_____ (DNS)

(ICANN)

(gTLD)

- _____ (gTLD)

2.2.1.3.22.1.1.3.2

- _____

2.2.1.3.22.1.1.3.2 _____

_____ (gTLD)

(DNS)

(gTLD)

(ICANN)

(DNS)

(DNS)

(DNS)

2.2.1.3. (ICANN)
 (gTLD)
 15
 2.2

2.1.1.3.2
 (ICANN)
 (gTLD)
 (gTLD)
 -

1.1 (ASCII)
 (RFC 1035)
 (DNS) (RFC 2181)

1.1.1 63

1.1.2

1.2 (ASCII)
 (DOD)
 (RFC 952) (RFC 1123) (RFC 3696)

1.2.1

1.2.2

1.3 (ASCII)

IP

"255" "0377" 255 "0xff" 255

IP

1.3.1 "0" "9"

1.3.2 "0x" "x"

"0" "9" "a" "f"

1.3.3 - "0o" "o"

"0" "7"

1.4 (ASCII) A (ASCII)

~~1.51.4~~ (ASCII)

U

3

(ASCII)

(IETF)

(IDNA)

Unicode

3

.151 IP "10.0.0.151" IP



2.1

(RFC 3490) —

2.1.1 Unicode _____

_____ (IDNA)

(~~http://tools.ietf.org/wg/idnabis/~~) "

" Unicode _____

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

4

2.1.12.1.2 _____

_____ **5** Unicode 15 _____

Unicode _____ C _____

Unicode _____ " _____ C"

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

2.1.22.1.1 _____

2.22.1 _____

(ICANN)

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4

(IDNA) 2008

(IDNA) 2008

(IDNA) 2003

(IDNA) 2008

(IDNA) 2008

(IDNA) 2003

(IDNA) 2008

(IDNA) 2008

(IDNA) 2003

(TLD)

5

(IDNA) 2008

(IDNA) 2008

(IDNA) 2003

(IDNA) 2008

(IDNA) 2008

(IDNA) 2003

(IDNA) 2008

(IDNA) 2008

(IDNA) 2003

(TLD)



<http://www.icann.org/en/topics/idn/implementation-guidelines.htm>

2.2.12.1.1

Unicode 24

Unicode

2.2.22.1.1

2.2.1

(gTLD)

3.1 ASCII (gTLD)

LDH

ISO 3166-1

ASCII

/

3.2 (IDN) (gTLD)

LDH

U

(IDN)

3.2.1

3.2.2

ASCII

ISO 3166-1

Unicode

(ccTLD) _____

ASCII _____

(gTLD) _____

_____ ^{fn}

[6] _____ ASCII _____

[5] _____ ASCII _____
_____ ASCII _____

[4] _____ ASCII _____
_____ ASCII _____

[3] _____ ASCII _____
_____ ASCII _____

[2] _____ ASCII _____
_____ ASCII _____

[1] _____ ASCII _____

2.2.1.4.1.1.4 -

(gTLD) _____

_____ / _____

____ (ICANN) _____

_____ (gTLD) _____

2.2.1.4.1 ⁶

_____ (gTLD) _____

2.1.1.4.1 _____

1. _____

i. ISO 3166-1

ii. _____ ISO 3166-1

iii. _____ ISO 3166-1

⁶ _____ (GAC) 2.2 _____ [gTLD] _____

_____ ccPDP _____ (gTLD) _____



iv.i. _____ ISO 3166 "

"

v.i. _____ " / "

/

vi.i. _____ (i) (v)

"the"

"RepublicCzech"

"IslandsCayman"

2.2.1.4.2

2. ~~ISO 3166-2~~ _____

3.1. _____ ISO 3166-1

4.2. _____ (gTLD)

(a) _____
(TLD) _____

(b) _____ 7

(a) (b) _____

2. ISO 3166-2 _____

5. " " _____ 8

2. _____

60%69%

/

(gTLD) _____ 1 4

7 _____

⁸ <http://unstats.un.org/unsd/methods/m49/m49regin.htm> ⁸ _____
~~<http://unstats.un.org/unsd/methods/m49/m49regin.htm>~~



(gTLD)

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—————

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-
-

(gTLD)

3 3.1.1

2.2.1.4.3 ~~2.1.1.4.2~~

(ICT)

(ICT)

(GAC)

9

~~(gTLD) gTLD~~

(ICANN)

⁹ ~~<http://gac.icann.org/gac-members><http://gac.icann.org/index.php?name=Representatives&mode=4>~~



5

gTLD

10

2.2.1.4.4

(GNP)

(gTLD)

(GNP)

(gTLD)

(GNP)

(gTLD)

(GNP)

(gTLD)

(GNP)

(gTLD)

(GNP)

(ICANN)

(ICANN)

10

[gTLD]



(GNP)

2.1.1.4.3

(GNP)

(gTLD)

(GNP)

(gTLD)

(GNP)

(gTLD)

(GNP)

(gTLD)

(GNP)

90

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2.2.2 ~~2.1.2~~

(gTLD)

~~2.2.1.1~~
(ICANN)

2.2.2.1.2.1 /

24 44

(gTLD)

/

(gTLD)

(gTLD)

(gTLD)

5"

"

2.2.2.2

45 50

2.1.2.2

(gTLD)

(gTLD)

~~2.2.2.32.1.2.3~~

/

(ICANN)

3

~~2.2.32.1.3~~

(ICANN)

~~2.2.3.12.1.3.1~~

- 1. _____

 _____ (TLD)
 (TLD)
 (TLD)

2.1.

3.1.

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

(gTLD)

<http://www.icann.org/en/registries/agreements.htm>

~~<http://www.icann.org/en/registries/rsep/rsep.html>~~
~~<http://www.icann.org/en/registries/rsep/rsep.html>~~

- _____
- _____
- _____ (TLD) _____
- _____ (TLD) _____
- _____

• _____

• _____ (DNS) _____

_____ (TLD) _____

_____ (gTLD) _____

http://www.icann.org/en/registries/rsep/rfs_sample.html _____

- (1)

(2)

- (1)

(IETF)

RFC (2)

RFC _____

2.2.3.2 _____

• _____

• _____ (TLD) _____

• _____ (TLD) _____

• _____

• _____ (DNS) _____

(TLD)

(gTLD)

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

2.2.3.3 (TLD)

(ICANN)

(TLD)

- Apex SOA
- Apex NS (TLD) (DNS)
- NS (TLD) (DNS)
- (TLD) DS
- (TLD) RRSIG
DNSKEY NSEC NSEC3

(TLD)

(DNS)

(TLD)

(DNS)

2.2.3.42.1.3.2

~~2.2.3.1-2.1.3.4~~

(RSTEP)

<http://www.icann.org/en/registries/rsep/rstep.html>

~~2.2.3~~

~~2.2.42.1.4~~ -

1 1.5

~~2.32.2~~

-

• ~~2.2.1.4~~ -

• ~~2.2.2.1-2.4~~

• ~~2.1.2-2.2.2~~

• ~~(DNS)~~ - ~~2.1.1.3~~

• ~~2.2.32.1.3~~

1 1.5

~~2.1.1.4~~

15
(ICANN)

2.3.1

	(GNP)
(GNP)	2.2.1.4
	90

2.3.22.2.1

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2.2.22.1.2.1

/

(ICANN)

~~2.2.2 (DNS)~~

~~(gTLD)~~

~~(DNS)~~

~~2.1.1.3~~

~~(DNS)~~

~~(ICANN)~~

~~2.2.3.3~~

~~2.2.32.1.3~~

(RSTEP)

~~(RSTEP)~~

3

3

30

45

5
 5
 45
 (RSTEP)
 1 1.5
 (RSTEP)
 (RSTEP)

(ICANN)
 (RSTEP)

15 _____ (-gTLD)
 (ICANN)

~~2.42.3~~

~~2.4.12.3.1~~

(gTLD) _____
 _____ (TLD) _____
 _____ (IDN) _____ (ccTLD)
 (gTLD)

(DNS)

(DNS)

(DNS)

(gTLD)

(gTLD)

/

(gTLD)

(RSTEP)

(IDN)

(gTLD)

(IDN)

2.4.2

2.3.2

(ICANN)

¹¹

-

(IDN)

(gTLD)

-

(IETF)

(IDNA)

Unicode

RFC

(IDN)

-

(ASCII)

(non-ASCII)

(gTLD)

-

(ICANN)

2.4.3

¹¹ <http://icann.org/en/topics/new-gtlds/open-tenders-eoi-en.htm>



~~2.3.3~~

(gTLD) " " "

" "

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-
- (ICANN)

-
- _____
- _____
-
- _____

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/ --- _____

_____ 25

25

-- " (gTLD) _
 " 2.4.3.1
 "

--

(ICANN)

(ICANN)

" "

(gTLD)

 _____ (ICANN) _____

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2.4.3.1 2.3.4

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(ICANN)

(ICANN)

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(ICANN)

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_____ (ICANN) _____ (gTLD)

_____ (EOI)

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2.4.3.2

(ICANN)

(ICANN)

(ICANN)

1.4.2

1

2.4.42.3.5

(ICANN)

(ICANN)

草案 – 新通用顶级域名 (gTLD) 计划 – 初始评估和进一步评估



在管理完整性检查期间，确认申请完整且可进行评估

