



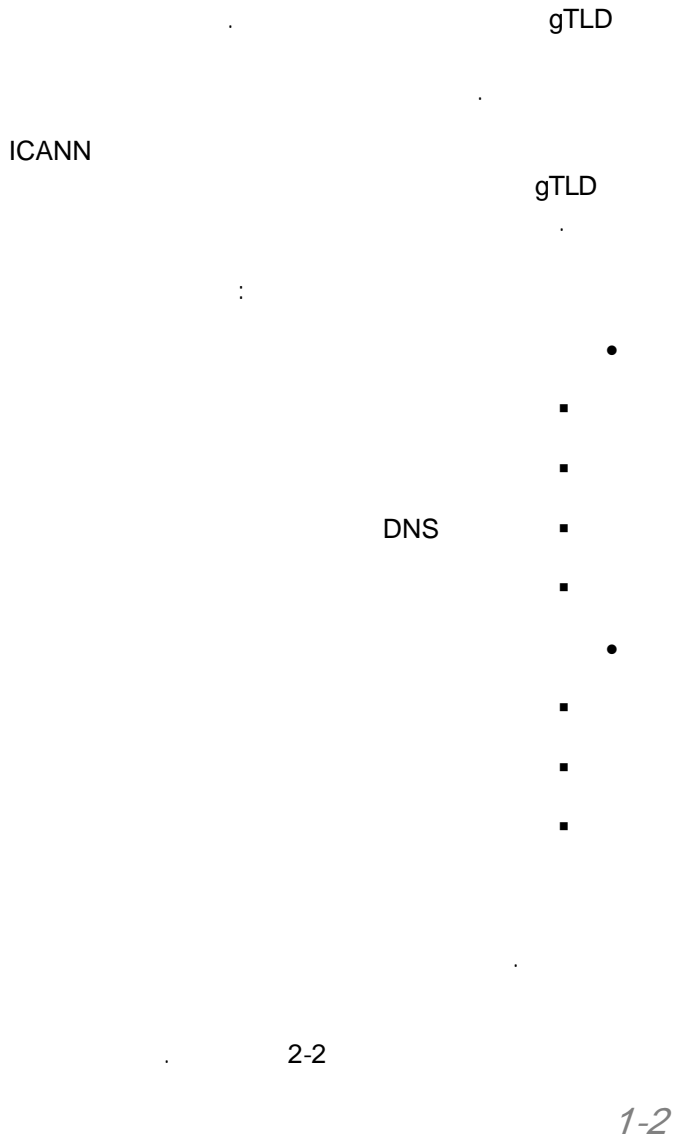
الوحدة رقم 2

gTLD

(ICANN)

ICANN

2



gTLD
DNS

•

•

•

•

DNS

1-1-2

gTLD

ICANN

1-1-1-2

.DNS

gTLD

gTLD
gTLD

TLDs

(3)

TLD

:
 _____ TLDs gTLD •
 _____ gTLD gTLD •

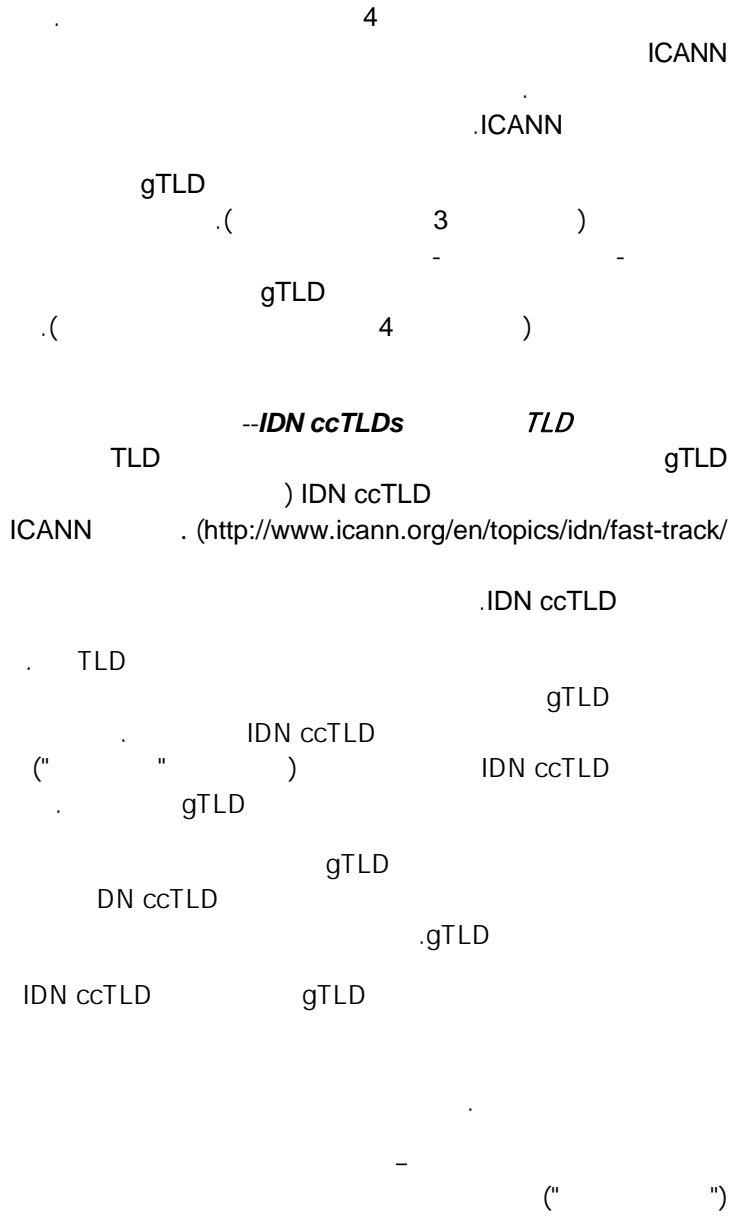
 .IDN ccTLDs _____ gTLD •

 TLD - **TLDs**

:
 TLDs
[.http://iana.org/domains/root/db/](http://iana.org/domains/root/db/)

TLD
 - TLD TLD
 - TLD

.(RFC 3490) "Foo" "foo"
 gTLD TLD
)
) .(3
) **gTLD** - (



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



.1
 "E-X-A-M-P-L-E"
 ".EXAMPLE"

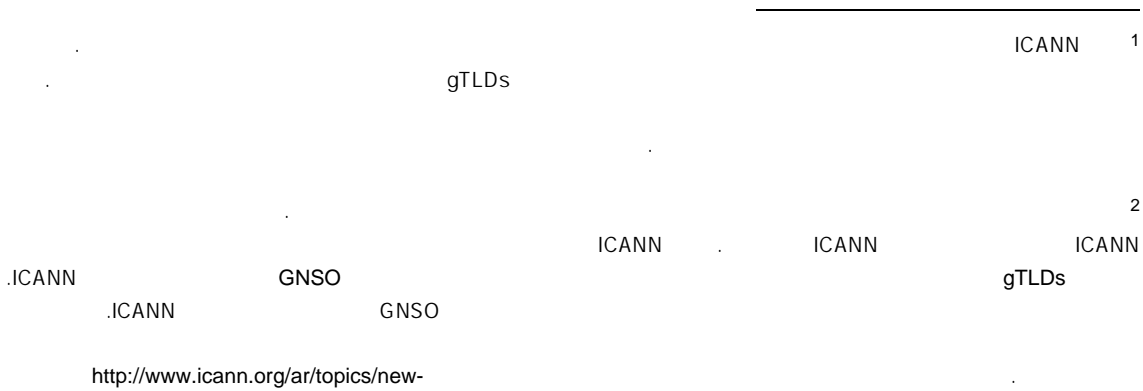
2-1-1-2

gTLD

2.

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

gTLD



gTLD

gTLD

DNS *3-1-1-2*

gTLD .DNS

.gTLD

gTLD

:DNS *1-3-1-1-2*

DNS gTLD ICANN gTLD

gTLD •

2-3-1-1-2 •

-1-1-2

gTLD 2-3

gTLD ICANN

15

2-2

gTLD *2-3-1-1-2* ICANN

gTLD

- ()

() ASCII •



(RFC 2181) DNS (RFC 1035)

63 IDNA2008 (U-) IDN (A- (xn--)

ASCII

(RFC 952) (DOD) (RFC 1123) (RFC 3696)

ASCII (IP)

"255" 255) "0xff" (255) "o377"

ASCII 3.IP

"9" "0" "0" "x||X"

"9" "0" "f||F" "a||A"

"o||O"

".7" "0"



IDNA

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

4.

4-1-1-2

gTLD

ICANN

ICANN

1-4-1-1-2

/ /

) ISO 3166-1

[http://www.iso.org/iso/country_codes/iso_3166_databases\(es.htm\)](http://www.iso.org/iso/country_codes/iso_3166_databases/es.htm)

o

o

o

gTLDs

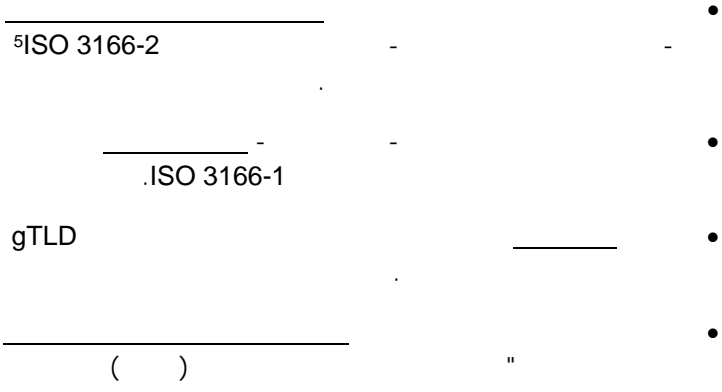
ICANN

4

ICANN

<http://www.icann.org/ar/topics/new-gtlds/agv1-analysis-public-comments-18feb09-ar.pdf>





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

/

gTLD

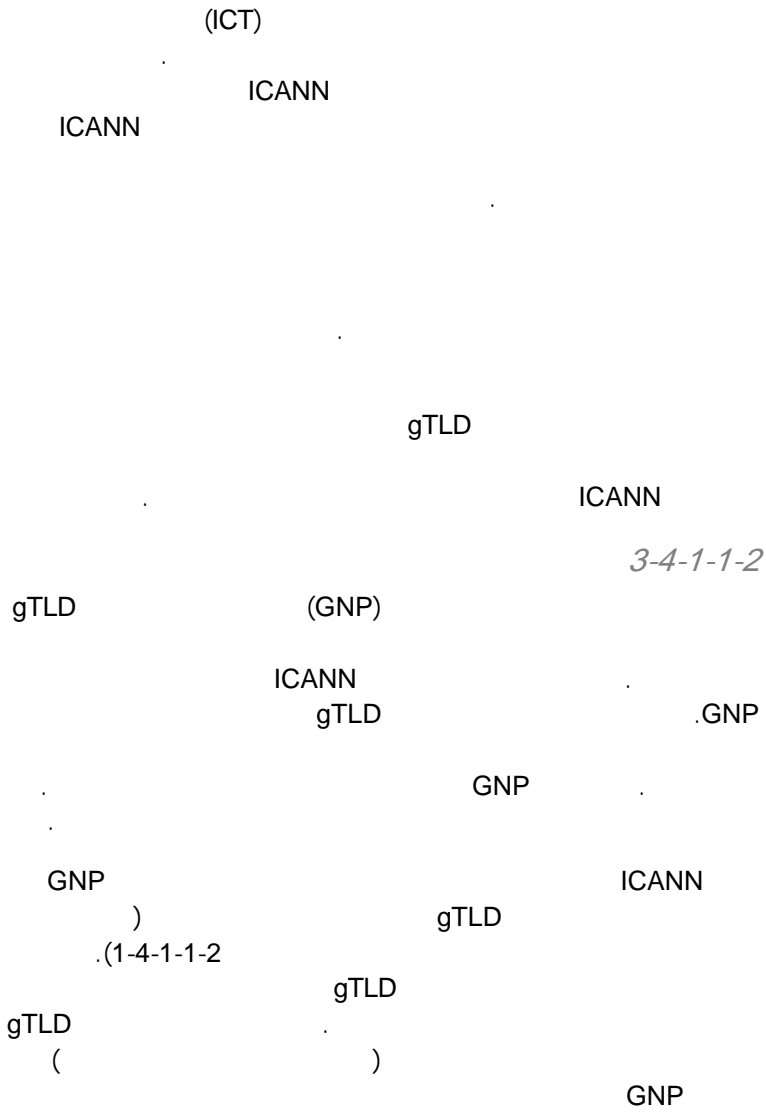
)

(3 1-1-3

ICANN ISO gTLD ccTLDs ISO 3166-2 2 ISO 3166-1 3166-1 ICANN 5 3166-2



2-4-1-1-2



GNP

)

(

.4

2-1-2

gTLD

ICANN

1-1-2

/

1-2-1-2

<http://www.icann.org/ar/topics/new-gtlds/draft-evaluation-criteria-clean-18feb09-ar.pdf>

.ICANN

.(CONFIDENTIAL)

.(CONFIDENTIAL)

ICANN

gTLD

gTLD

.gTLD



5

gTLD

gTLD
gTLD

2-2-1-2

ICANN
ICANN

6

TAS

3-1-2

1-1-2

ICANN

.1

TLD

TLD

TLD



.2

.3

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

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

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

<http://www.icann.org/ar/topics/new-gtlds/draft-agreement-clean-18feb09-ar.pdf>

ICANN

ICANN

DNS

) RSTEP

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

-2

)

.(2

:

- (1)
- (2)

-

(1)

-

IETF

(RFC)

(2)



(RFC)

4-1-2

)

.(1

5-5-1

2-2

:

.(1-2-1-2)

•

.(1-2-1-2)

•

.(3-1-1-2) - DNS

•

.(3-1-2) - DNS
()

•

.1 5-1

ICANN

15

1-2-2

.1-2-1-2



<http://www.icann.org/ar/topics/new-gtlds/draft-evaluation-criteria-clean-18feb09-ar.pdf>

7.

ICANN

- *DNS* *2-2-2*

.3-1-1-2	DNS	gTLD
		3

ICANN

3-2-2

.3-1-2

(RSTEP)

	3	
45	30	
		3
		5
	5	45

ICANN

7



5-1 RSTEP .RSTEP .1
RSTEP
RSTEP
.ICANN RSTEP
.gTLD
ICANN 15

3-2

ICANN ICANN
ICANN

