TWO-CHARACTER SECOND-LEVEL DOMAINS (SLDS)

MAIN POINTS

Purpose: The present document describes the process implemented by ICANN to enable the release of two-character second-level domains for new gTLDs, in view of concerns raised.

Context: There are requests to ICANN from Registry Operators representing some 350 TLDs to release two-character SLDs (see Appendix 2).[1] GAC members have raised concerns with the GAC leadership and on the GAC mailing list about the new process for the release of two-character labels at the second level. The GAC leadership in turn raised concerns during its telephonic meeting with the ICANN leadership on 20 January 2015. On 26 January 2015 the GAC Chair sent a letter to the ICANN Board Chair laying out some of the concerns of GAC members and proposing ways forward.

Content: The present note covers the following aspects of the process ICANN has set-up to authorize the release of SLDs for new gTLD registries:

1. **Background on the evolution in the use of two-character SLDs**: use of two-characters second-level domains in some legacy and sponsored TLDs, with limited confusion.

2. **The current process to authorize two-character SLDs**:
   - Registry Operators have been authorized to release two-character letter-number (a1), number-number (11) and number-letter (1a) ASCII labels at the second level since 1 December 2014 (620 such labels, see Appendix 1, excluding letter-letter (aa) labels);
   - For letter/letter labels, including most country codes, ICANN reviews requests from Registry Operators, posts these for public comment and notifies the GAC. If no relevant reasoned objections are filed with 30 days, ICANN plans to authorize release (see Appendix A, there are 671 potential letter/letter labels, of which 242 are country codes).[2]

3. **Provisions contained in the Registry Agreement**:

   The Registry Agreement contains obligations for Registry Operators to implement measures to avoid confusion and misleading use. These obligations are fully enforceable.

For reference, requests raised by the GAC in its 26 Jan, 2015 letter to ICANN include*:

- Providing information in a user-friendly format: sortable alphabetically; by public comment dates; by whether the TLD is considered to be Category 1 or 2, a brand TLDs or an IDN TLD.

- Improving notifications, including outreach to non-GAC members regarding their country codes.

- Enabling countries to file a single objection on use of one country code under all or several TLDs.

- Increasing the length of the comment period from the current 30 days.

- Empowering relevant government to decide to exclude a country code as opposed to ICANN.

- Ensuring that governments are aware of open registrations and that they can, if they wish to, apply to register a country code SLD.

For reference, concerns raised by GAC member comments in public comment include:

- Number-letter concerns: although ICANN released number-letter combinations effective 1 December 2014, concerns have since been raised by GAC members about number-letter combinations containing the number "1" that could be confused with GAC members country codes, including from Lebanon (1b for .lb), Italy (1t for .it), India (1n for .in), Cote d'Ivoire (c1 for .ci).

- A Letter-Letter concern surrounding possible confusion was also raised by India (ln for in).

- A Category 1 TLDs objection was raised. Spain objected to the release of the "es" country code under TLDs ".casino", ".bingo", and ".abogado".

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1. BACKGROUND INFORMATION ON THE EVOLUTION IN THE USE OF TWO-CHARACTER SLDS

Two-character second-level domains in legacy and sponsored TLDs

Historically, two-character names, letters and numbers at the second level have been reserved, seemingly due to concerns about confusion with two letter country codes.[3] Nonetheless, registries have been able to propose release provided they implemented measures to avoid confusion with any corresponding country codes.

As of 2007, two-character SLDs have been authorized in some legacy and sponsored TLDs, following an RSTEP report of 4 December 2006 that identified no significant risk for the stability and security of the DNS related to the release of two-character domain names.[4] From 2007 to 2012, ICANN approved various proposals regarding the release of two-character domain names for 11 gTLDs (.jobs, .coop, .mobi, .biz, .pro, .cat, .info, .travel, .tel, .asia, and .org). The usage of two-characters name in legacy TLDs as well as the history of ICANN approvals of releases of such names for legacy and sponsored gTLDs seems to have shown limited concerns for user confusion.

RA provisions on two-character second-level domains in new gTLDs

Specification 5 of the New gTLD base Registry Agreement (RA) required the reservation of all "two character" labels at the second level within the TLD, *i.e.* of all labels combinations of letter-letter (aa), letter-number (a2), number-number (22) and number-letter (2a) labels.

Two-character ASCII labels at the second level could be released IF:

- Either the Registry Operator reached an agreement with the related government and country-code manager of the string;
- Or the Registry Operator, having implemented measures to avoid confusion with the corresponding country codes, proposed to release these reservations, subject to approval by ICANN. The Registry Services Evaluation Policy (RSEP) process was then used to process Registry Operator requests: after review by ICANN Staff, proposals were posted for a 21-day Public Comment Period and a 21-day Reply Period and the GAC was informed of each proposal and public comment period.

Use of the RA provisions: Registry Operators submitted 28 RSEP requests between May 2014 and November 2014 to release various sets of two-character labels in 207 new gTLDs.[5] These 207 TLD requests were bundled into 5 distinct proposals.

During the 2014 process the GAC Chair expressed some concern about the release of two-character letter/letter combinations to the ICANN Chair:

- On 8 August 2014, the GAC Chair expressed concern by some GAC members about the release of two-character letter/letter second level domains and informed ICANN that the GAC would discuss its concerns at ICANN 51 https://www.icann.org/en/system/files/correspondence/dryden-to-crocker-08aug14-en.pdf.
- On 2 September 2014, the ICANN Chair asked the GAC Chair for clarification as to whether concerns were for letter-letter combinations only, or all two-character combinations https://www.icann.org/en/system/files/correspondence/crocker-to-dryden-2-02sep14-en.pdf
- On 10 September 2014, the GAC Chair wrote that the GAC's concern over letter-letter combinations only and asked for a pause in granting any exemptions from Specification 5 https://www.icann.org/en/system/files/correspondence/dryden-to-crocker-10sep14-en.pdf

GAC Los Angeles Communiqué

The GAC Los Angeles Communiqué of 15 October 2014 contained a section on the [Release of 2-Character Names at the Second Level](#) (section 8) that stated:

> *"The GAC notes that new gTLD registry operators have submitted RSEP (Registry Service Evaluation Process) requests to ICANN in order to use two-character labels at the second level of their TLD.*
>
> *The GAC recognized that two-character second level domain names are in wide use across existing TLDs, and have not been the cause of any security, stability, technical or competition concerns. The GAC is not in a position to offer consensus advice on the use of two-character second level domains names in new gTLD registry operations, including those combinations of letters that are also on the ISO 3166-1 alpha 2 list.*
>
> *In considering these RSEP requests, and consistent with the Applicant Guidebook, the GAC considers that the public comment period is an important transparency mechanism, and in addition asks that relevant governments be alerted by ICANN about these requests as they arise."*

2.   NEW PROCESS TO AUTHORIZE RELEASE OF TWO-CHARACTER ASCII LABELS

Board resolution authorizing set-up of a process for release of two-character ASCII labels

With consideration of the GAC Los Angeles Communiqué [ICANN Board Resolution 2014.10.16.14](#) passed on 16 October 2014. It directed ICANN staff to "develop and implement an efficient procedure for the release of two-character domains currently required to be reserved in the New gTLD Registry Agreement."

Implementation of new process to release two-character ASCII labels on 1 December 2014

The process implemented by ICANN to authorize the release of two-character ASCII labels is as follows:[6]

- Effective 1 December 2014, ICANN issued an amendment to the RA authorizing all new gTLD registries to release all number/number, letter/number, and number/letter two-character ASCII labels for registration (see list of possible combinations in Appendix 1) [See 1 Dec 2014 authorization](#);

> *Absence of concerns raised on Number/Letter two-character ASCII labels prior to December 2014:*
>
> ICANN did not receive objections to the release of number/letter two-character ASCII labels from GAC members, from ccTLD managers, from members of the technical community, or from rights holders.
>
> The opportunities to formulate objections included five two-character SLD public comment periods held from March to October 2014, the August 2014 correspondence between the Board and the GAC, and the GAC LA Communique.

- For all letter/letter two-character ASCII labels, ICANN created a new process as follows:

  o Request: Registry operators complete a form requesting that ICANN release one or more letter/letter two-character labels. Registry operators are asked to indicate which two-character labels they intend to use by either checking a box indicating "All letter/letter two-character ASCII labels" or by removing from the list in Appendix A the labels that they do not intend to use.[7]

  o Appendix A of the form lists all letter-letter two-character labels that can be requested. It excludes AU, EU, EC, UN, and EP as these are on the reserved list for IGOs/IOC/RCRC that were granted interim protections).[8] The list includes all the ISO 3166-1 alpha-2 country codes, except for AU, EC, and EU.

     o   After reviewing the requests, ICANN posts them for comment for 30 days and notifies the GAC of the request and the comment period. In the absence of relevant and reasoned objections to the request, ICANN will authorize the release of the requested letter/letter two-character labels.

Current notification mechanism

Those who wish to be notified of all requests for authorization to release letter/letter combinations can login to their ICANN account (at www.icann.org), select "settings" from the drop down menu, and sign up for daily or weekly notification using the option entitled "Two Character Label Request Settings".

3. PROVISION IN REGISTRY AGREEMENT TO AVOID CONFUSION WITH COUNTRY CODES

Provision in Specification 5 of the Registry Agreement:

The following provision is similar to that contained in legacy gTLD agreement that have released two-character domains and that have had them in use for several years.

Specification 5: Registry Operators are required to implement measures to avoid confusion with the corresponding country codes; issues can be reported as complaints to ICANN's compliance team.

MORE INFORMATION

Two-character labels webpage: https://www.icann.org/resources/two-character-labels
Announcement of new authorization process: https://www.icann.org/news/announcement-2014-12-01-en
General authorization: https://www.icann.org/en/system/files/files/spec5-amend-two-char-01dec14-en.pdf
ICANN blog post on new process: https://www.icann.org/news/blog/icann-clears-the-way-for-two-character-second-level-domain-names
New gTLD registry agreement: http://newgtlds.icann.org/sites/default/files/agreements/agreement-approved-09jan14-en.htm
ICANN Board resolution (2014.10.16.14): https://features.icann.org/introduction-two-character-domain-names-new-gtld-namespace
GAC LA Communique: https://www.icann.org/en/system/files/correspondence/gac-to-board-15oct14-en.pdf

Appendix 1: all digit/digit, digit/letter and letter/digit two-character ASCII labels that new gTLD Registry Operators can register to third parties and activate in the DNS at the second level – 620 labels

Note: $(2^{(10\text{digits}+26\text{letters})} - 2^{26\text{ letters-only}})$

00	1c	2o	40	5c	6o	80	9c	c4	h2	m0	q8	v6
01	1d	2p	41	5d	6p	81	9d	c5	h3	m1	q9	v7
02	1e	2q	42	5e	6q	82	9e	c6	h4	m2	r0	v8
03	1f	2r	43	5f	6r	83	9f	c7	h5	m3	r1	v9
04	1g	2s	44	5g	6s	84	9g	c8	h6	m4	r2	w0
05	1h	2t	45	5h	6t	85	9h	c9	h7	m5	r3	w1
06	1i	2u	46	5i	6u	86	9i	d0	h8	m6	r4	w2
07	1j	2v	47	5j	6v	87	9j	d1	h9	m7	r5	w3
08	1k	2w	48	5k	6w	88	9k	d2	i0	m8	r6	w4
09	1l	2x	49	5l	6x	89	9l	d3	i1	m9	r7	w5
0a	1m	2y	4a	5m	6y	8a	9m	d4	i2	n0	r8	w6
0b	1n	2z	4b	5n	6z	8b	9n	d5	i3	n1	r9	w7
0c	1o	30	4c	5o	70	8c	9o	d6	i4	n2	s0	w8
0d	1p	31	4d	5p	71	8d	9p	d7	i5	n3	s1	w9
0e	1q	32	4e	5q	72	8e	9q	d8	i6	n4	s2	x0
0f	1r	33	4f	5r	73	8f	9r	d9	i7	n5	s3	x1
0g	1s	34	4g	5s	74	8g	9s	e0	i8	n6	s4	x2
0h	1t	35	4h	5t	75	8h	9t	e1	i9	n7	s5	x3
0i	1u	36	4i	5u	76	8i	9u	e2	j0	n8	s6	x4
0j	1v	37	4j	5v	77	8j	9v	e3	j1	n9	s7	x5
0k	1w	38	4k	5w	78	8k	9w	e4	j2	o0	s8	x6
0l	1x	39	4l	5x	79	8l	9x	e5	j3	o1	s9	x7
0m	1y	3a	4m	5y	7a	8m	9y	e6	j4	o2	t0	x8
0n	1z	3b	4n	5z	7b	8n	9z	e7	j5	o3	t1	x9
0o	20	3c	4o	60	7c	8o	a0	e8	j6	o4	t2	y0
0p	21	3d	4p	61	7d	8p	a1	e9	j7	o5	t3	y1
0q	22	3e	4q	62	7e	8q	a2	f0	j8	o6	t4	y2
0r	23	3f	4r	63	7f	8r	a3	f1	j9	o7	t5	y3
0s	24	3g	4s	64	7g	8s	a4	f2	k0	o8	t6	y4
0t	25	3h	4t	65	7h	8t	a5	f3	k1	o9	t7	y5
0u	26	3i	4u	66	7i	8u	a6	f4	k2	p0	t8	y6
0v	27	3j	4v	67	7j	8v	a7	f5	k3	p1	t9	y7
0w	28	3k	4w	68	7k	8w	a8	f6	k4	p2	u0	y8
0x	29	3l	4x	69	7l	8x	a9	f7	k5	p3	u1	y9
0y	2a	3m	4y	6a	7m	8y	b0	f8	k6	p4	u2	z0
0z	2b	3n	4z	6b	7n	8z	b1	f9	k7	p5	u3	z1
10	2c	3o	50	6c	7o	90	b2	g0	k8	p6	u4	z2
11	2d	3p	51	6d	7p	91	b3	g1	k9	p7	u5	z3
12	2e	3q	52	6e	7q	92	b4	g2	l0	p8	u6	z4
13	2f	3r	53	6f	7r	93	b5	g3	l1	p9	u7	z5
14	2g	3s	54	6g	7s	94	b6	g4	l2	q0	u8	z6
15	2h	3t	55	6h	7t	95	b7	g5	l3	q1	u9	z7
16	2i	3u	56	6i	7u	96	b8	g6	l4	q2	v0	z8
17	2j	3v	57	6j	7v	97	b9	g7	l5	q3	v1	z9
18	2k	3w	58	6k	7w	98	c0	g8	l6	q4	v2	
19	2l	3x	59	6l	7x	99	c1	g9	l7	q5	v3	
1a	2m	3y	5a	6m	7y	9a	c2	h0	l8	q6	v4	
1b	2n	3z	5b	6n	7z	9b	c3	h1	l9	q7	v5	

Source: https://www.icann.org/en/system/files/files/spec5-amend-two-char-01dec14-en.pdf

Appendix A: Letter-Letter labels that are currently not reserved at the second level

Note: 671 labels ($2^{26letters} - 5reserved$)

aa	cb	eb	ge	ie	ke	me	oe	qe	se	ue	wf	yf
ab	cc	ed	gf	if	kf	mf	of	qf	sf	uf	wg	yg
ac	cd	ee	gg	ig	kg	mg	og	qg	sg	ug	wh	yh
ad	ce	ef	gh	ih	kh	mh	oh	qh	sh	uh	wi	yi
ae	cf	eg	gi	ii	ki	mi	oi	qi	si	ui	wj	yj
af	cg	eh	gj	ij	kj	mj	oj	qj	sj	uj	wk	yk
ag	ch	ei	gk	ik	kk	mk	ok	qk	sk	uk	wl	yl
ah	ci	ej	gl	il	kl	ml	ol	ql	sl	ul	wm	ym
ai	cj	ek	gm	im	km	mm	om	qm	sm	um	wn	yn
aj	ck	el	gn	in	kn	mn	on	qn	sn	uo	wo	yo
ak	cl	em	go	io	ko	mo	oo	qo	so	up	wp	yp
al	cm	en	gp	ip	kp	mp	op	qp	sp	uq	wq	yq
am	cn	eo	gq	iq	kq	mq	oq	qq	sq	ur	wr	yr
an	co	eq	gr	ir	kr	mr	or	qr	sr	us	ws	ys
ao	cp	er	gs	is	ks	ms	os	qs	ss	ut	wt	yt
ap	cq	es	gt	it	kt	mt	ot	qt	st	uu	wu	yu
aq	cr	et	gu	iu	ku	mu	ou	qu	su	uv	wv	yv
ar	cs	ev	gv	iv	kv	mv	ov	qv	sv	uw	ww	yw
as	ct	ew	gw	iw	kw	mw	ow	qw	sw	ux	wx	yx
at	cu	ex	gx	ix	kx	mx	ox	qx	sx	uy	wy	yy
av	cv	ey	gy	iy	ky	my	oy	qy	sy	uz	wz	yz
aw	cw	ez	gz	iz	kz	mz	oz	qz	sz	va	xa	za
ax	cx	fa	ha	ja	la	na	pa	ra	ta	vb	xb	zb
ay	cy	fb	hb	jb	lb	nb	pb	rb	tb	vc	xc	zc
az	cz	fc	hc	jc	lc	nc	pc	rc	tc	vd	xd	zd
ba	da	fd	hd	jd	ld	nd	pd	rd	td	ve	xe	ze
bb	db	fe	he	je	le	ne	pe	re	te	vf	xf	zf
bc	dc	ff	hf	jf	lf	nf	pf	rf	tf	vg	xg	zg
bd	dd	fg	hg	jg	lg	ng	pg	rg	tg	vh	xh	zh
be	de	fh	hh	jh	lh	nh	ph	rh	th	vi	xi	zi
bf	df	fi	hi	ji	li	ni	pi	ri	ti	vj	xj	zj
bg	dg	fj	hj	jj	lj	nj	pj	rj	tj	vk	xk	zk
bh	dh	fk	hk	jk	lk	nk	pk	rk	tk	vl	xl	zl
bi	di	fl	hl	jl	ll	nl	pl	rl	tl	vm	xm	zm
bj	dj	fm	hm	jm	lm	nm	pm	rm	tm	vn	xn	zn
bk	dk	fn	hn	jn	ln	nn	pn	rn	tn	vo	xo	zo
bl	dl	fo	ho	jo	lo	no	po	ro	to	vp	xp	zp
bm	dm	fp	hp	jp	lp	np	pp	rp	tp	vq	xq	zq
bn	dn	fq	hq	jq	lq	nq	pq	rq	tq	vr	xr	zr
bo	do	fr	hr	jr	lr	nr	pr	rr	tr	vs	xs	zs
bp	dp	fs	hs	js	ls	ns	ps	rs	ts	vt	xt	zt
bq	dq	ft	ht	jt	lt	nt	pt	rt	tt	vu	xu	zu
br	dr	fu	hu	ju	lu	nu	pu	ru	tu	vv	xv	zv
bs	ds	fv	hv	jv	lv	nv	pv	rv	tv	vw	xw	zw
bt	dt	fw	hw	jw	lw	nw	pw	rw	tw	vx	xx	zx
bu	du	fx	hx	jx	lx	nx	px	rx	tx	vy	xy	zy
bv	dv	fy	hy	jy	ly	ny	py	ry	ty	vz	xz	zz
bw	dw	fz	hz	jz	lz	nz	pz	rz	tz	wa	ya	
bx	dx	ga	ia	ka	ma	oa	qa	sa	ua	wb	yb	
by	dy	gb	ib	kb	mb	ob	qb	sb	ub	wc	yc	
bz	dz	gc	ic	kc	mc	oc	qc	sc	uc	wd	yd	
ca	ea	gd	id	kd	md	od	qd	sd	ud	we	ye	

Source: https://www.icann.org/en/system/files/files/two-char-auth-appx-01dec14-en.csv and
https://www.icann.org/sites/default/files/packages/reserved-names/ReservedNames.xml

Appendix 2: Active requests and requests under review as of 4 February, 2015 (350 requests)

Active requests:
apartments
azure
bentley
bing
bingo
cartier
casino
chat
chloe
club
coach
datson
delivery
dnp
energy
epson
ferrero
football
goldpoint
gucci
honda
hotmail
hsbc
infiniti
iwc
jcb
jlc
kddi
kinder
kyoto
law
legal
london
lotte
memorial
microsoft
monash
money
montblanc
nhk
nico
nissan
nokia
otsuka
panerai
piaget
ricoh
rocher
school
skype

style
suzuki
tennis
tires
top
toshiba
uno
vip
wang
windows
world
xbox
xn--3bSt00M
xn--3ds443q
xn--45Q11C
xn--6qQ986B3xL
xn--czru2d
xn--fiq228c5hs
xn--hxT814E
yodobashi
zara

Closed for comments / under review:
abbott
abogado
academy
accountant
accountants
actor
agency
airforce
allfinanz
amsterdam
aquarelle
army
associates
attorney
auction
autos
band
bargains
bayern
beer
berlin
bharti
bible
bid
bike
bloomberg

bmw
bnpparibas
bom
boutique
budapest
builders
business
buzz
cab
camera
camp
capital
cards
care
careers
casa
cash
catering
center
cheap
church
city
claims
cleaning
clinic
clothing
codes
coffee
community
company
computer
condos
construction
consulting
contractors
cooking
cool
country
credit
creditcard
cricket
cruises
dance
date
dating
deals
degree
dell
democrat
dental
dentist
design

diamonds
digital
direct
directory
discount
domains
download
dvag
education
email
emerck
engineer
engineering
enterprises
equipment
estate
events
everbank
exchange
expert
exposed
fail
faith
fan
farm
fashion
final
finance
financial
fish
fishing
fit
fitness
flights
florist
flsmidth
forsale
foundation
frl
fund
furniture
futbol
gallery
garden
gifts
gives
glass
global
globo
google
graphics
gratis

gripe
guide
guru
hamburg
haus
healthcare
holdings
holiday
homes
horse
host
house
immo
immobelien
industries
ink
institute
insure
international
investments
kaufen
kitchen
land
lawyer
lease
life
lighting
limited
limo
loan
loans
luxe
maison
management
market
marketing
marriott
media
miami
mini
moda
mortage
motorcycles
nagoya
navy
network
ninja
nrw
onl
ooo
partners
parts

party
photography
photos
pictures
pizza
place
plumbing
pohl
press
productions
properties
pub
recipes
rehab
reisen
rentals
repair
report
republican
restaurant
review
reviews
rich
rip
rocks
rodeo
ruhr
sale
sarl
sca
schule
science
services
shoes
singles
sky
social
software
solar
solutions
space
spiegel
supplies
supply
support
surf
surgery
systems
taipei
tax
technology
tienda

tips
tirol
today
tokyo
tools
town
toys
trade
training
tui
university
uol
vacations
ventures
vet
viajes
video
villas
vision
vodka
voyage
watch
webcam
website
wedding
whoswho
wien
wiki
win
work
works
world
wtf
xerox
xn--czrs0t
xn--fjq720a
xn--unup4y
xn--vermgensberater-ctb
xn--vermgensberatung-pwb
xn--vhquv
yachts
yoga
yokohama
zone
zuerich

Source: Two-character labels webpage: https://www.icann.org/resources/two-character-labels

[1] See Appendix 2 containing requests since 1 December 2014: both active requests and requests under review. ICANN authorized release for registries representing 207 TLDs that have undergone public comments before 1 December 2014.

[2] According to the ISO 3166-1 alpha-2 classification, there are 245 country codes, but au, ec, and eu are reserved.

[3] http://gnso.icann.org/en/drafts/rn-wg-fr19mar07.pdf.

[4] ICANN Registry Services Technical Evaluation Panel, Report on Internet Security and Stability Implications of Limited Release of Initially Reserved Two-Character Names, 4 December 2006, https://www.icann.org/en/system/files/files/rstep-gnr-proposal-review-team-report-04dec06-en.pdf.

https://www.icann.org/en/system/files/files/rstep-gnr-proposal-review-team-report-04dec06-en.pdf.

[5] ICANN staff initiated 5 public comment forums to obtain feedback from the community on the amendments to implement the proposed new registry service: 12 June 2014 https://www.icann.org/public-comments/twochar-new-gtld-2014-06-12-en; 8 July 2014 https://www.icann.org/publiccomments/two-char-new-gtld-2014-07-08-en; 23 July 2014 https://www.icann.org/public-comments/two-char-new-gtld-2014-07-23-en; 19 August 2014 https://www.icann.org/public-comments/two-char-new-gtld-2014-08-19-en; and 12 September 2014 https://www.icann.org/public-comments/two-charnew-gtld-2014-09-12-en. Various community members submitted comments, including the At-Large Advisory Committee (ALAC) and registry operators. In addition, ICANN notified the GAC when each request from a registry operator was posted for public comment.

[6] An informal notice on the new process was sent to the GAC via email from ICANN staff.

[7] https://www.icann.org/en/system/files/files/two-char-auth-form-01dec14-en.pdf.

[8] https://www.icann.org/sites/default/files/packages/reserved-names/ReservedNames.xml.