

New Top Level Domains and the Issue of Universal Acceptance

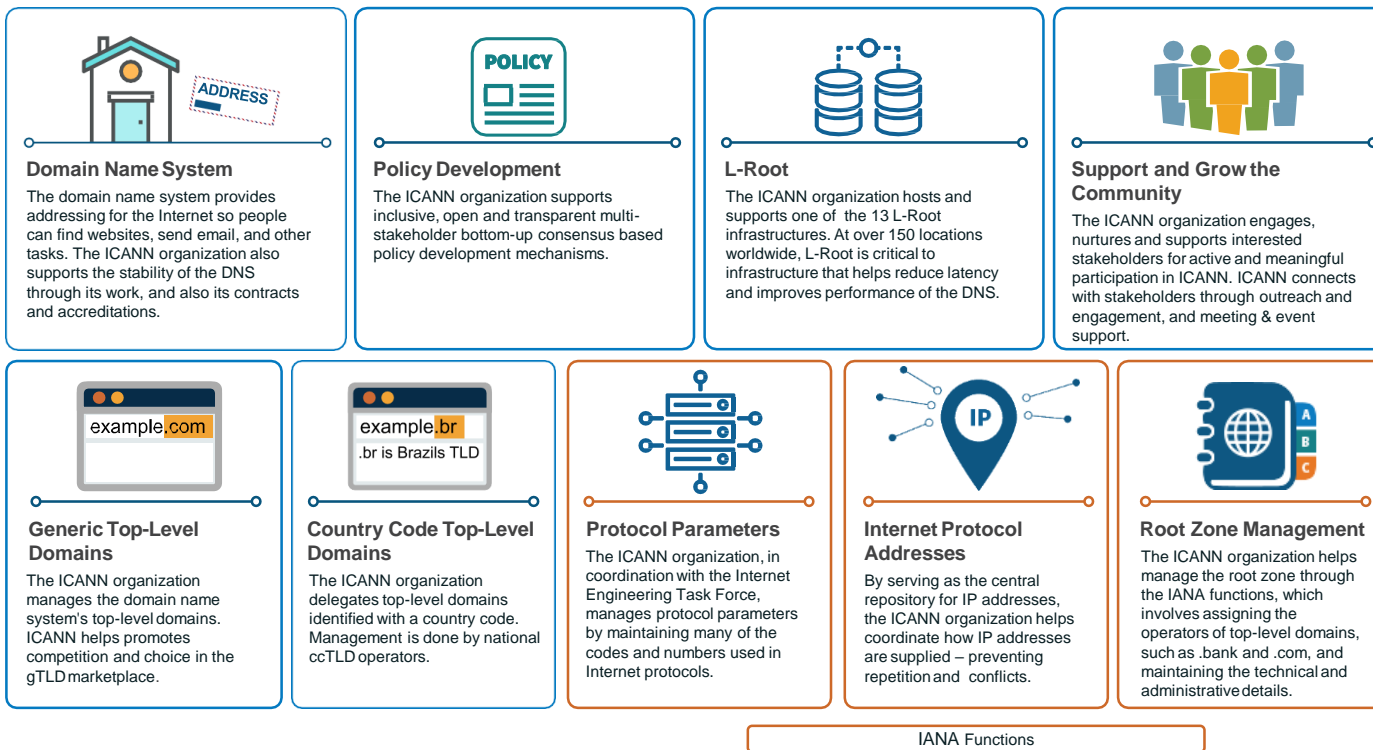


Žaneta Vinopalová

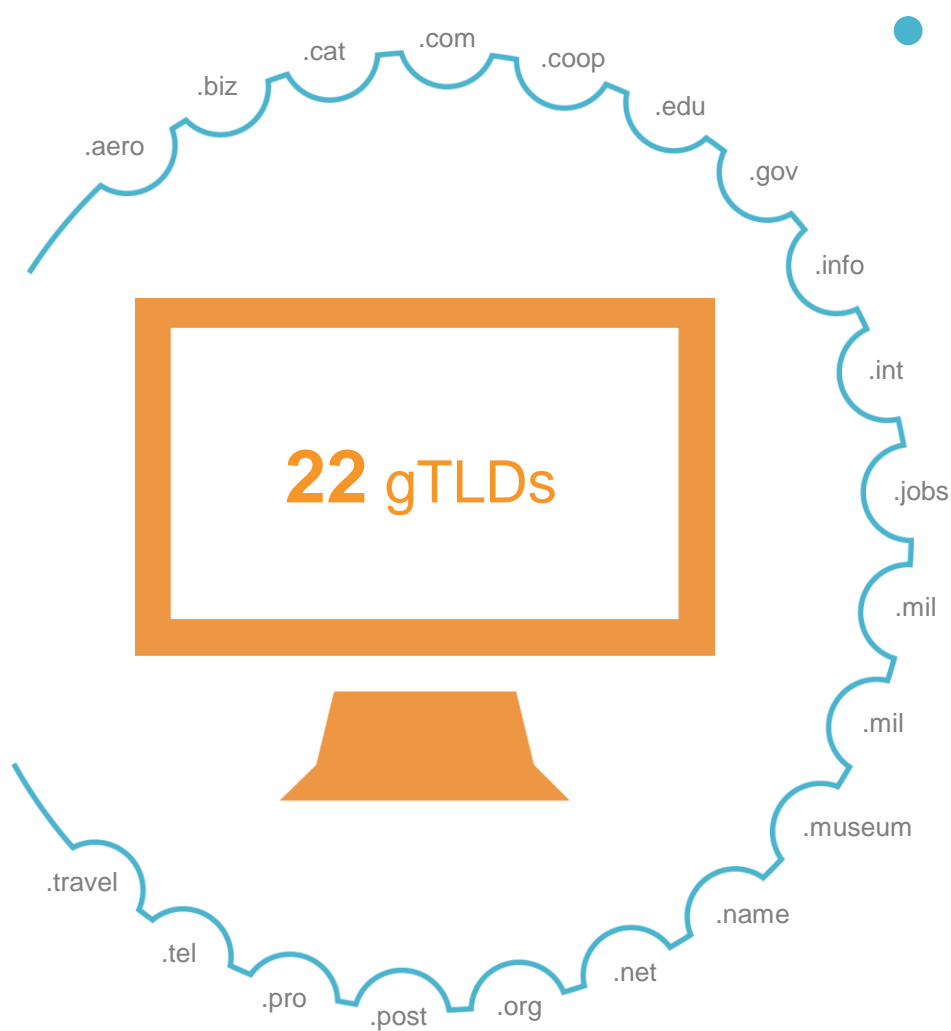
CSNOG 2019

29. května 2019

Some of what ICANN organization does

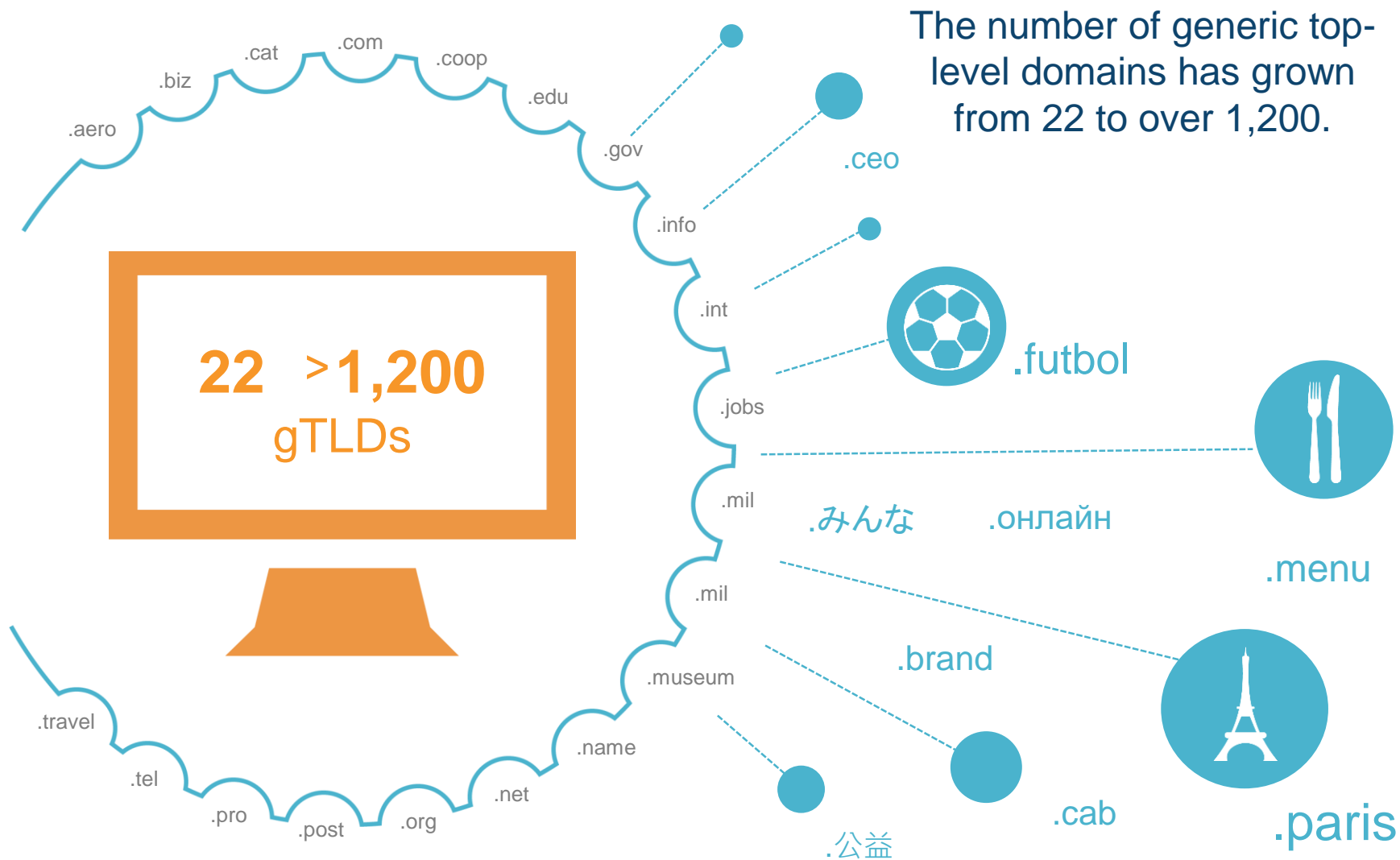


What are New Generic Top Level Domains?



Before 2013, there were only 22 generic top-level domains in the Domain Name System.

What are New Generic Top Level Domains?



What Is the New gTLD Program?

The goal of the New gTLD Program is to foster competition, innovation and choice in the domain name industry.



Categories of New Top Level Domains

Brands	Community	Geo	Generic	IDNs
.gucci	.catholic	.wien	.coffee	.онлайн
.bmw	(.католик;	.tirol	.wtf	(online)
.audi	.كاثوليك; .天主	.berlin	.baby	شبكة(web)
.lamborghini	教)	.boston	.lawyer	.сайт (site)
.google	.swiss	.budapest	.sucks	.游戏: (game)
.calvinklein	.tatar	.nyc	.jetzt	.グーグル
.apple		.london	.buy	(google)
.canon		.paris	.shop	.我爱你
.chanel		.sydney	.doctor	(Iloveyou)
.lidl		.tokyo	.tennis	.商标
.barclays		.madrid	.sexy	(trademark)
.microsoft			.guru	.购物
.fedex			.you	(shopping)
			.feedback	.닷넷 (net)

Universal Acceptance

What Is Universal Acceptance?

All domain names should be treated equally.



пример.рф

Internationalized
Domain Names



site.example

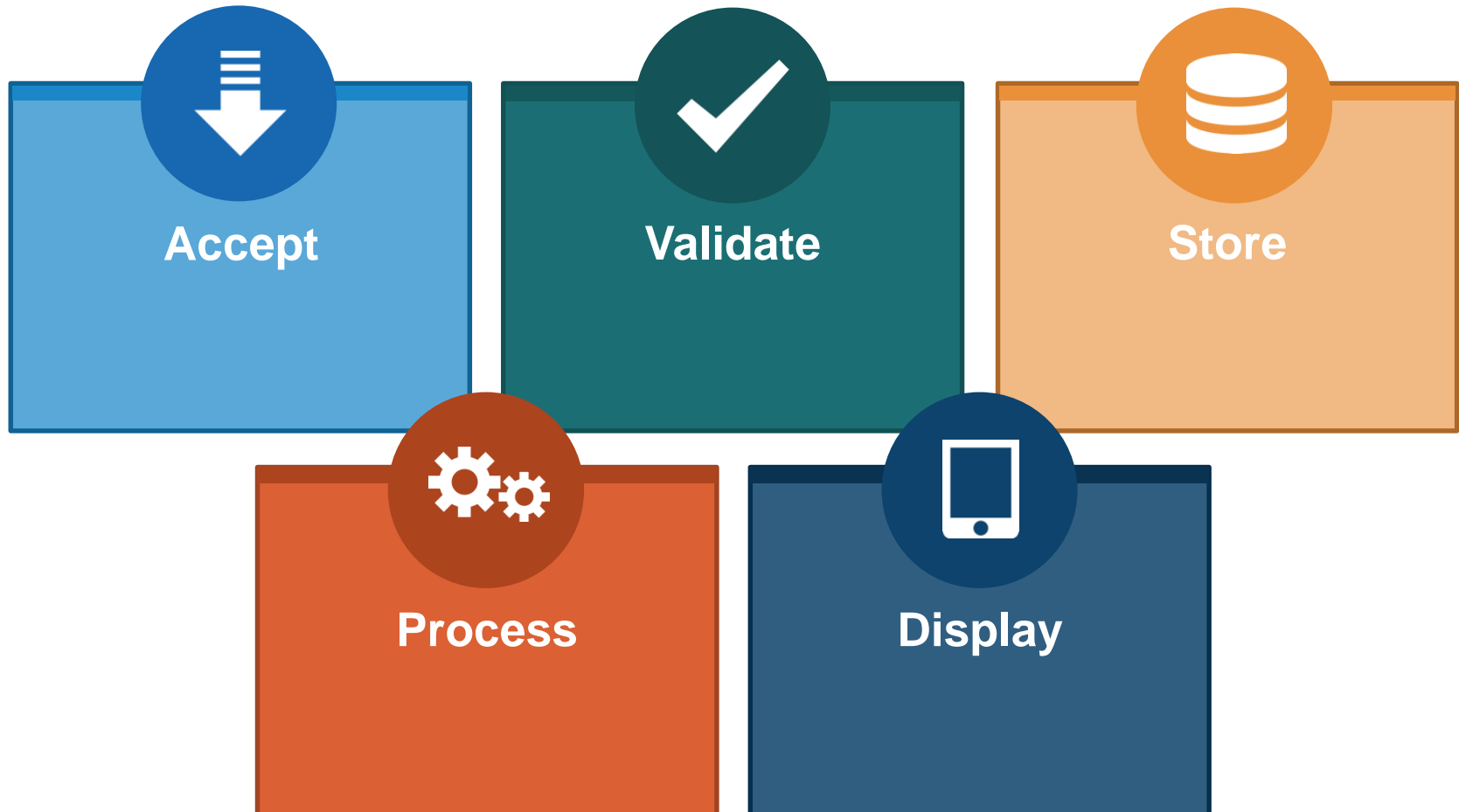
New gTLDs



名称@网站.域名

Internationalized
Email Addresses

5 Key Principles of UA Readiness



The Role of Universal Acceptance

UA-ready

http://soap.organic

Welcome to organic

SOAP

We make the best soap in the world. It's 100% organic.

http://tokyo.ストア

TOKYO


当社の製品を購入します

http://bank.com


Bank

Email

 Email validated.
Account created.

Not ready

http://soap.organic




http://tokyo.ストア

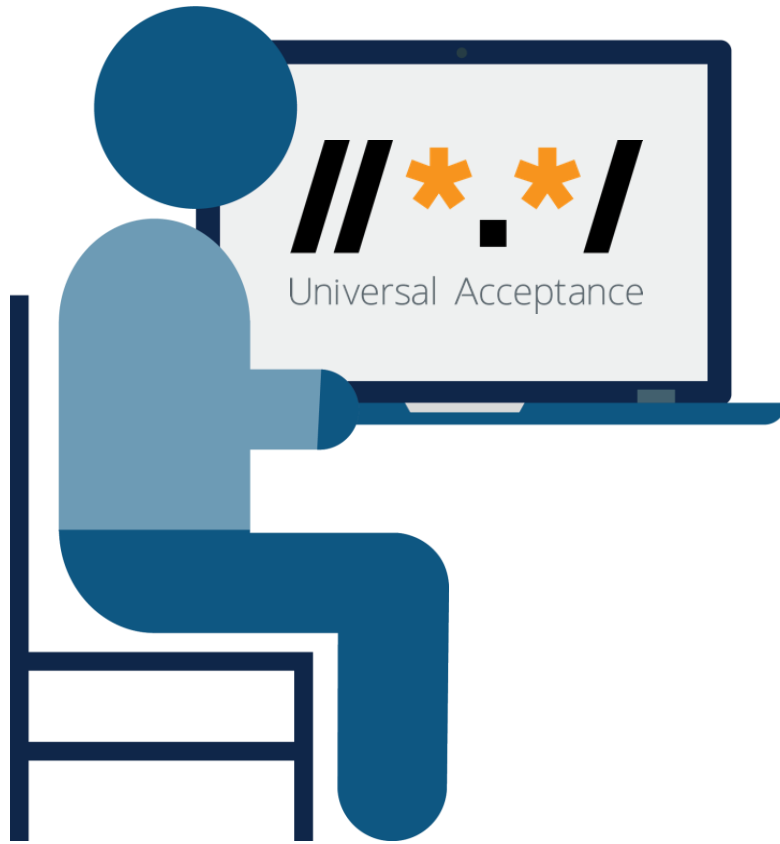


http://bank.com

Bank

Email

 Not a valid email address.



Universal Acceptance Steering Group

Composed of 120+ companies (e.g., Afilias, Apple, CNNIC, Google, Microsoft, THNIC, and Yandex), governments, and community groups

Helping software developers and website owners understand how to update their systems.



Learn more



<http://uasg.tech>

Tools Available

Need additional information? Resources include:

Universal
Acceptance
Quick Guide

Introduction to
Universal
Acceptance

Quick Guide to
Email Address
Internationalization
(EAI)

Blueprint for
CIOs – Internet
Industry



Technical Documentation ▶

uasg.tech/documents

Tools & Resources for developers...

- ⦿ Authoritative Tables:

- * <http://www.internic.net/domain/root.zone>
- * <http://www.dns.icann.org/services/authoritative-dns/index.html>
- * <http://data.iana.org/TLD/tlds-alpha-by-domain.txt>
- * See also SAC070: <https://tinyurl.com/sac070>

- ⦿ Internationalized Domain Names for Applications:

- * Framework: <https://tools.ietf.org/html/rfc5890>
- * Tables: <https://tools.ietf.org/html/rfc5892>
- * Rationale: <https://tools.ietf.org/html/rfc5894>
- * Protocol: <https://tools.ietf.org/html/rfc5891>

- ⦿ Unicode:

- * Security Considerations: <http://unicode.org/reports/tr36/>

Test your own email address!

<https://uasg.tech/eai-check/>

Email Address Internationalization

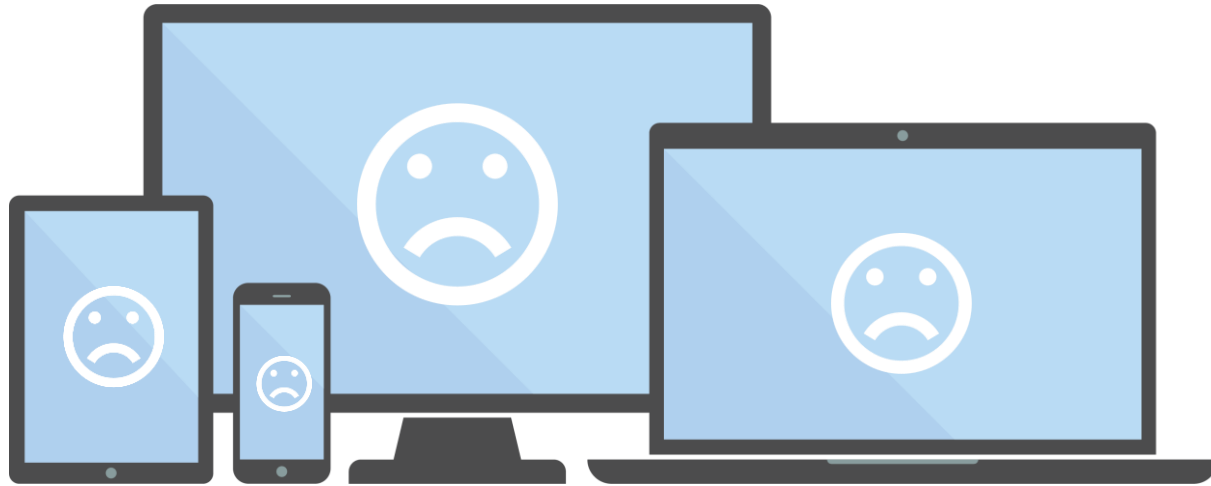
+ EAI Check

This widget takes an email address and checks to see if the mail server advertises support for receiving EAI (Email Address Internationalization) email addresses.

Check to see if your email address is EAI compliant. Enter a valid email address below:

Report an Issue

Found an application or system that's not Universal Acceptance-ready?



uasg.tech/global-support-centre

What can you do?

- ⦿ Read the documents at www.iasg.tech/documents
 - UASG003 – Fact Sheet
 - UASG005 – Quick Guide
 - UASG007 – Introduction to Universal Acceptance
 - UASG011 – FAQs

- ⦿ Subscribe to the UASG Discussion list www.iasg.tech/subscribe
 - Get your own systems UA Ready
 - Spread the word...

Engage with ICANN



Thank You and Questions

Visit us at icann.org

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