10 November 2015

Universal Acceptance Steering Group

**Help Wanted… Universal Acceptance Programming & Scripting language and framework review**

Application Deadline: **23:00 UTC xx xxx 2016**

Send Applications to: [don.hollander@icann.org](mailto:don.hollander@icann.org)

**Background**

The Top Level Domain (TLD) space of the DNS has changed markedly since the introduction of non-ASCII productions names (IDN ccTLDs) into the root zone in 2010. No longer were TLDs easily characterized as two or three characters plus a very few number of exceptions. And beginning in 2013, hundreds of additional TLDs have been introduced with a variety of lengths and scripts.

New standards in e-mail (EAI – Email Address Internationalization) have also been introduced to accommodate the non-ASCII name space.

Application developers have been slow to adapt their systems to this new set of operational reality.

**The Work**

This work is to review the major programming and scripting languages and packages in use in web development today for compliance with Universal Acceptance good practice. The work also involves addressing any identified UA deficiencies.

**Tasks:**

* Identifying the most popular programming and scripting languages used in web based applications.
* Identifying within each of those languages what the most popular packages or libraries are that have Universal Acceptance implications.
* Prioritizing packages and libraries based on overall usage in the web sphere
* Reviewing packages and libraries for compliance with good practice.
* Engaging with communities or owners of packages to encourage good practice.
* Where practical creating and submitting fixes to popular packages.
* Reporting results over time both in terms of fixes and community engagement.

The current documentation is at: xxx

Work is hourly. Document your work and bill as you go.

You will become an approved ICANN vendor.

The work will be performed as an independent contractor.

Meet with the UASG Coordinator on a regular basis.

**Desired Characteristics**

* You must be technically proficient and able to write clearly in English. Additional language fluency is a bonus
* An understanding of the DNS, Unicode and the RFC series is vital
* You must be proficient in multiple programming and scripting languages.
* Applicants can be from an individual, group of individuals, or organization.

**Next Steps**

Please provide us with:

* A brief statement of interest and why you want to do this work and why we should want you to do this work.
* A CV
* A sample of similar activity
* An hourly rate inclusive of all costs.
* Full contact details
* Two refereees

Deadline for receipt of expressions of interest: **23:00 UTC xx xxx 2016**

Send completed expressions to: [don.hollander@icann.org](mailto:don.hollander@icann.org)

If you have any questions, please send those to [don.hollander@icann.org](mailto:don.hollander@icann.org). Please allow 24 hours for answers.

We expect to reach out to a short list of candidates within one week of the closing time.