Technology Position Paper

i-DNS.net International is the multilingual Internet solutions provider behind the development and deployment of the Internationalized Domain Name System (iDNS).

iDNS technology is the product of several years of research & development and was successfully test-bedded, at a prototype level, in collaboration with the Asia Pacific Networking Group (APNG) and Network Information Centers from China, Japan, Korea, Taiwan, Hong Kong, Singapore, Malaysia and Thailand.

As a pioneer in a new field with no established standard, i-DNS.net is constantly moving into new areas filled with unprecedented challenges.

Acknowledging the growing attention and focus on Internationalized Domain Names (IDN) by the Internet Community, i-DNS.net would like to share the principles of its technology positioning below:

1. i-DNS.net believes that the Internet Engineering Task Force (IETF) is the rightful authority and forum for any establishment of a technical standard for the requirement of IDN.

2. i-DNS.net will adopt any standard developed by open consensus of the IDN Working Group (WG) at IETF.

3. i-DNS.net will continue to support and participate in the IETF IDN WG by sharing its experience and expertise with all WG participants without bias, in conformance to RFC2026 Section 10.

4. i-DNS.net fully understands the importance of a stable DNS infrastructure and the difficulties of adopting non-ASCII into DNS. In this, it shares the sentiments of the Internet Architecture Board (IAB) expressed in RFC2825 and RFC2826. Thus, until an IDN standard emerges from IETF, i-DNS.net will only deploy its current backward-compatible solution using the ASCII Compatible Encoding (ACE) that satisfies all existing Internet Standards.

5. i-DNS.net understands that ACE may only be an interim solution and will continue to collaborate within the IETF in the research and development of a robust, open, long-term solution that will satisfy all the Requirements for IDN as laid down by the WG.

6.   i-DNS.net does not seek to arbitrarily impose an "Internet Standard". It seeks to employ its technology and deep experience in multilingual and domain name issues and interactions in achieving a true Internet Standard, with full consensual discussion and debate in accordance to IETF procedures, and puts forward its present technology as a basis upon which an eventual standard may be built upon.

i-DNS.net believes that an Open Standard developed via IETF processes will ensure and encompass the strict and necessary qualities of compatibility, scalability and robustness. It believes that these principles will set out a direction for i-DNS.net to work towards.

7.   Despite the rapid expansion of i-DNS.net, i-DNS.net does not seek to lock-in users to an inflexible solution. All i-DNS.net products and service offerings have and will continue to have built-in migratory features allowing for easy migration to whatever new standards become relevant, or to allow for new functionality, safeguarding the interests of its service- and technology-users.

8.   i-DNS.net is also an active member of the Unicode Consortium and will seek to work with other technical bodies (such as W3C and IMC etc) as IDN has wide implications in many applications.

i-DNS.net sincerely believes in the spirit and processes of technological agreement and consensus-building, by which the Internet has evolved. It is committed to, and stands ready to work with any and all organizations, companies and individuals interested and intrigued with the potential of Multilingual Domain Names.