

## **ADDITIONAL REGISTRAR OPERATION SPECIFICATION**

This Specification may be modified by ICANN from time to time after consultation with the Registrar Stakeholder Group (or its successor), provided that such updates are commercially practical with respect to the registrar industry, taken as a whole.

### **1. DNSSEC**

Registrar must allow its customers to use DNSSEC upon request by relaying orders to add, remove or change public key material (e.g., DNSKEY or DS resource records) on behalf of customers to the Registries that support DNSSEC. Such requests shall be accepted and processed in a secure manner and according to industry best practices. Registrars shall accept any public key algorithm and digest type that is supported by the TLD of interest and appears in the registries posted at: <http://www.iana.org/assignments/dns-sec-alg-numbers/dns-sec-alg-numbers.xml> and <http://www.iana.org/assignments/ds-rr-types/ds-rr-types.xml>. All such requests shall be transmitted to registries using the EPP extensions specified in RFC 5910 or its successors.

### **2. IPv6**

To the extent that Registrar offers registrants the ability to register nameserver addresses, Registrar must allow both IPv4 addresses and IPv6 addresses to be specified.

### **3. IDN**

If the Registrar offers Internationalized Domain Name (“IDN”) registrations, all new registrations must comply with RFCs 5890, 5891, 5892, 5893 and their successors. Registrar shall also comply with the IDN Guidelines at <http://www.icann.org/en/topics/idn/implementation-guidelines.htm> which may be amended, modified, or superseded from time to time. Registrar must use the IDN tables published by the relevant registry.