



# Draft Applicant Guidebook, v2

## Module 5

Please note that this is a discussion draft only. Potential applicants should not rely on any of the proposed details of the new gTLD program as the program remains subject to further consultation and revision.

18 February 2009

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# Module 5

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## *Transition to Delegation*

This module describes the final steps required of an applicant, including execution of a registry agreement with ICANN and preparing for delegation of the new gTLD into the root zone.

### *5.1 Registry Agreement*

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All applicants that have successfully completed the evaluation process—including, if necessary, the dispute resolution and string contention processes—are required to enter into a registry agreement with ICANN in order to proceed to delegation.

It is important to note that the agreement referred to below does not constitute a formal position by ICANN and has not been approved by the ICANN Board of Directors. The agreement is set out here for review and community discussion purposes and as a means to improve the effectiveness of the agreement in providing for increased competition and choice for consumers in a stable, secure DNS.

The contract terms can be reviewed at <http://www.icann.org/en/topics/new-gtlds/draft-agreement-clean-18feb09-en.pdf>. All successful applicants are expected to enter into the agreement substantially as written. The terms of the contract and, in particular, differences with existing registry agreements are explained in a companion paper to the agreement, *Summary of Changes to Base Agreement for New gTLDs*, <http://www.icann.org/en/topics/new-gtlds/draft-summary-changes-base-agreement-18feb09-en.pdf>.

After an applicant has successfully completed the application process, ICANN may conduct a pre-contract review. To ensure that an applicant continues to be a going concern in good legal standing, ICANN reserves the right to ask the applicant to submit updated documentation and information before entering into the registry agreement.

## 5.2 Pre-Delegation Testing

Each applicant will be required to complete pre-delegation testing as a prerequisite to the IANA process for delegation into the root zone. The pre-delegation check must be completed within the time period specified in the registry agreement.

### 5.2.1 Technical Testing

The purpose of the pre-delegation technical test is to verify the applicant has met its commitment to establish registry operations in accordance with the technical and operational criteria described. (Refer to <http://www.icann.org/en/topics/new-gtlds/draft-evaluation-criteria-clean-18feb09-en.pdf>.)

The checks are also intended to ensure that the applicant can operate the gTLD in a stable and secure manner. All applicants will be tested on a pass/fail basis according to the questions and criteria that follow.

Question	Criteria
<b>1</b>	<b>IDN (Variant) Tables</b>
If applicant will be supporting IDNs, was the IDN table attached to the application when originally submitted and does it fulfill IDN and IANA guidelines and requirements?	IDN tables listing all characters supported for registration of names in the TLD must be developed and provided by the applicant at the time the application is submitted. The table must fulfill the requirements of the IDN Guidelines as well as the IANA repository requirements in order to be considered valid (see <a href="http://iana.org/procedures/idn-repository.html">http://iana.org/procedures/idn-repository.html</a> ).
<b>2</b>	<b>DNSSEC Keys, Materials</b>
If DNSSEC is offered as part of registry services at time of application, can applicant comply with requirements?	Trust anchor for the registry will be published in the IANA Interim Trust Anchor Repository. Validity will be determined by verifying that DNS resolvers that support DNSSEC can successfully retrieve and DNSSEC validate information from that zone when configured with the published trust anchor for the zone.
<b>3</b>	<b>Architecture Load Requirements</b>
Has the applicant implemented a network architecture necessary to support load characteristics, as outlined in its application?	Applicant will self-certify adherence to this requirement and provide materials to ICANN that demonstrate adherence. Examples of self-certification documents include but are not limited to a network/system diagram of the as-built network system (demonstrating correspondence to documentation in initial application), results of load testing performed by the applicant, and actual performance of the configuration in use for other registries. At ICANN's discretion, aspects of this self-certification documentation can be audited on-site at the services delivery point of the registry.
<b>4</b>	<b>IPv6 for Registrants</b>
Does registry support provisioning of IPv6 services for its registrants?	Registry must support provisioning of IPv6 services on behalf of its registrants. This means that registrar systems will allow entry of IPv6 addresses in all relevant address fields, that the SRS system is set up to support the communication of IPv6 addresses, and that registry name servers can be provisioned with IPv6 addresses. Applicant will demonstrate

Question	Criteria
	successful provisioning of a test account with IPv6 name server entries.
5	<b>IPv6 Reachability</b>
Does registry support access to DNS servers over an IPv6 network?	<i>Note: This requirement is under consideration and the community is urged to provide feedback on this requirement.</i>  IANA currently has a minimum set of technical requirements for IPv4 name service. These include two nameservers separated by geography and by network topology, which each serve a consistent set of data, and are reachable from multiple locations across the globe. The registry will meet this same criterion for IPv6, requiring IPv6 transport to their network. Applicant will identify IPv6-reachable name servers that meet these requirements, and reachability will be verified by ICANN.
6	<b>Escrow Deposit Sample</b>
Has the applicant demonstrated the ability to conform to registry escrow requirements? See <a href="http://www.icann.org/en/topics/new-gtlds/draft-escrow-spec-clean-18feb09-en.pdf">http://www.icann.org/en/topics/new-gtlds/draft-escrow-spec-clean-18feb09-en.pdf</a> .	The applicant will provide a conforming sample of a dummy data deposit showing correct type and formatting of content. The applicant will also provide evidence of an agreement with an escrow provider complying with Part B of the Data Escrow Requirements.
7	<b>System Monitoring</b>
Has the applicant implemented the system monitoring described by the applicant in the initial application?	Applicant will self-certify adherence to this requirement and provide materials to ICANN that demonstrate adherence. Examples of self-certification documents include but are not limited to: diagrams of monitoring systems (demonstrating correspondence to documentation provided in the application), output of periodic monitoring runs performed by the applicant demonstrating capability claimed in the application, and actual performance of this monitoring set up in use for other registries. At ICANN's discretion, aspects of this self-certification documentation can be audited on-site at the services delivery point of the registry.
8	<b>Registry Continuity Planning</b>
Has applicant demonstrated capability to comply with ICANN's Registry Continuity Plan? See <a href="http://www.icann.org/registries/failover/icann-registry-failover-plan-15jul08.pdf">http://www.icann.org/registries/failover/icann-registry-failover-plan-15jul08.pdf</a> .	Applicant will self-certify adherence to this requirement and provide materials to ICANN that demonstrate adherence. Examples include identification of appropriate contact points and evidence of the registry's own continuity plan, and identification of a registry services continuity provider.
9	<b>System Performance Requirements</b>
Has applicant demonstrated capability to comply with the performance specifications? See <a href="http://www.icann.org/en/topics/new-gtlds/draft-performance-spec-clean-18feb09-en.pdf">http://www.icann.org/en/topics/new-gtlds/draft-performance-spec-clean-18feb09-en.pdf</a> .	Applicant will self-certify adherence to this requirement and provide materials to ICANN that demonstrate adherence. Examples of self-certification documents include but are not limited to performance and availability results that demonstrate DNS availability at stated levels for at least one month, and Whois service availability for at least one month. At ICANN's discretion, aspects of this self-certification documentation can be audited on-site at the services delivery point of the registry.

### 5.2.2 Additional Requirements

At the pre-delegation stage, an applicant must also provide documentary evidence of its ability to fund ongoing basic registry operations for its future registrants for a period of three to five years in the event of registry failure, default or until a successor operator can be designated.

This obligation can be met by securing a financial instrument such as a bond or letter of credit (i.e., evidence of ability to provide financial security guaranteed by a creditworthy financial institution); contracting with and funding a services provider to extend services; segregating funding; or other means.

Once an applicant has met the requirements in 5.2.1 and 5.2.2 above, it is eligible to request delegation of its applied-for gTLD string by IANA.

If an applicant does not complete the pre-delegation steps within the time period specified in the registry agreement, ICANN reserves the right to terminate the registry agreement.

### ***5.3 IANA Delegation Process***

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Upon notice of successful completion of the ICANN pre-delegation testing, applicants may initiate the process for delegation of the new gTLD into the root zone database. Information about the delegation process is available at <http://iana.org/domains/root/>.

### ***5.4 Ongoing Operations***

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ICANN will continue to provide support for gTLD registry operators as they launch and maintain registry operations. ICANN's gTLD registry liaison function provides a point of contact for gTLD registry operators for assistance on a continuing basis.

The registry agreement contains a provision for ICANN to perform audits to ensure that the registry operators remain in compliance with agreement obligations.