

URS High Level Technical Requirements for Registries and Registrars

26 August 2013

The following Technical Requirements are to be followed by Registry Operators and Registrars to support the Uniform Rapid Suspension System (URS). The URS Rules and URS Procedures governing the URS are available on ICANN's Website at <http://newgtlds.icann.org/en/applicants/urs>.

The terms MAY, MUST, MUST NOT, SHOULD and SHOULD NOT are used in accordance with RFC 2119, which is available at <http://www.ietf.org/rfc/rfc2119.txt>.

1. Definitions:

- **URS Lock:** A combination of statuses that prevents a ~~Domain Name~~ domain name from being updated ~~or~~ transferred. ~~The URS provider MUST~~ or deleted. A request ~~the activation of~~ to activate a URS Lock will come from the URS Provider to the Registry Operator as specified by the URS ~~rules~~ Rules.
 - The Registry Operator MUST activate the following EPP-statuses when a ~~Domain Name~~ domain name is in URS Lock:
 - I. serverUpdateProhibited
 - II. serverTransferProhibited
 - ~~There are two types of URS Lock pseudo-status:~~
 - III. ~~URS Lock with Redirection:~~ URS Lock with Redirection: ~~A Domain Name is redirected when the name servers of the Domain Name are modified by the Registry Operator, so that if the end user enters the Domain Name or any subordinate domain names (e.g., www.nameInUrsLock.tld, abc123.nameInUrsLock.tld) in a web browser,~~ serverDeleteProhibited
 - Note: If a domain name transitions from URS Suspension to URS Lock, the Registry Operator MUST update the domain name to set the name server (NS) and delegation signer (DS) information that was originally present in the domain name before the URS Suspension. If glue records were removed when the Registry Operator

activated the URS Suspension, the Registry Operator MUST restore the glue records.

- URS Suspension: A domain name MAY be suspended as part of the final decision of a URS Complaint (as defined in the URS Rules). A URS Suspended domain name will be redirected to a webpage that mentions that the domain name has been suspended because of a URS Complaint. In order to redirect a URS Suspended domain name to the suspension website maintained by the URS Provider. The will specify the NS and DS information (if the URS Provider MUST specify the NS and optionally DS data (if the URS provider does not support DNSSEC, the Registry Operator MUST remove the old DS records) that MUST be set by to the Registry Operator. in the email that instructs the Registry Operator to suspend the domain name.
- Non-URS State (URS Rollback): This is the state of a domain name that is not under either URS Lock or URS Suspension. If the domain name is in URS Lock or URS Suspension, and if the URS Provider requests that the domain name be transitioned to a Non-URS State, the Registry Operator MUST restore the original information of the domain name. The reversion of a domain name to a Non-URS State is referred to as a URS Rollback.
 - ~~Note: The Registry Operator MUST temporarily save the original statuses (e.g., if the Domain Name was already in serverUpdateProhibited and/or serverTransferProhibited), NS and DS information in case this information needs to be restored.~~
 - ~~URS Lock with Non-Redirection: A Domain Name is non-redirected when the name servers of the Domain Name are update the domain name to set by the Registry Operator with the NS and DS information that was originally present in the Domain Name domain name before the URS process started.~~
 - ~~Note: Suspension. If internal hosts glue records were automatically deleted removed when activating "URS Lock with Redirection", the internal hosts MUST also be restored.~~
- ~~Non-URS state: This is Registry Operator activated the state of a Domain Name that is not under a URS procedure. If URS Suspension, the~~

~~Domain Name is in URS Lock, the URS Provider MAY request that the Domain Name be transitioned to a Non URS state, all modifications made to the Domain Name because of the URS procedure~~Registry Operator MUST ~~be undone~~restore the glue records.

2. Registry Operator Requirements:

- Registry Requirement 1: ~~The~~ Registry Operator ~~MUST activate~~MAY appoint a Back End Registry Operator (“BERO”) to act on Registry Operator’s behalf to fulfill Registry Operator’s obligations under the URS Lock (with or without redirection as requested) on (“Agreed Obligations”) by written agreement between Registry Operator and the Domain Name specified in BERO. Once appointed, the email sent by one of the officialBERO should receive URS providers, as defined on the ICANN website [INSERT LINK], requests from the URS Provider and may send notifications to the URS Provider. For the avoidance of doubt, the appointment of a BERO shall not relieve Registry Operator of its obligations under the Agreed Obligations and Registry Operator shall remain liable to perform the Agreed Obligations should the BERO fail to discharge the Agreed Obligations in whole or part in accordance with the Registry Operator’s Registry Agreement.
- Registry Requirement 2: ~~The~~ Registry Operator ~~MUST activate~~ a URS Lock within 24 hours of ~~receipt of the email,~~the Registry Operator’s receipt of an email from a URS Provider requesting that the URS Lock be activated on the domain name.
 - Note: For security purposes all emails sent by URS Providers to ~~Registries and Registry Operators,~~ Registrars ~~MUST~~and BEROs will be cryptographically signed using a S/MIME certificate from a reputable ~~Certification Authority~~certification authority.
- ~~Registry Requirement 2:~~ ~~The~~ Registry Operator ~~MUST activate or deactivate redirection on a URS Locked Domain Name specified in the email sent by one of the official URS providers, as defined on the ICANN website [INSERT LINK], within 24 hours of receipt of the email.~~
- Registry Requirement 3: The Registry Operator ~~MUST deactivate the URS Lock (Non-URS state) on~~activate URS Suspension on a URS Locked domain name within 24 hours of the Registry Operator’s receipt of an email from a URS ~~Locked Domain Name specified in~~Provider requesting that the URS Suspension be

activated on the domain name. In addition, the Registry Operator MUST cause the Whois to reflect that the email sent by one of domain name will not be able to be transferred, deleted or modified for the official URS providers, as defined on the ICANN website [INSERT LINK], within 24 hours of receipt of the email life of the registration.

- **Registry Requirement 4:** The Registry Operator MUST ~~promptly~~complete a URS Rollback for a domain name within 24 hours of the Registry Operator's receipt of an email from a URS Provider requesting that the URS Rollback be performed on the domain name.
- **Registry Requirement 5:** The Registry Operator MUST immediately notify the URS ~~provider~~Provider via email that the action (e.g. activation of URS Lock ~~with Redirection,~~ activation of URS Suspension or completion of a URS Rollback) requested by the URS ~~provider~~Provider has ~~taken place~~been completed on the ~~Domain Name~~domain name.
 - Note: For security purposes emails sent by the Registry Operator and BERO (if one has been appointed) to the URS ~~provider~~Provider MUST be cryptographically signed using a S/MIME certificate from a reputable ~~Certification Authority~~certification authority.
- **Registry Requirement 56:** The Registry Operator MUST promptly notify the URS ~~provider~~Provider via email if ~~the Domain Name has been: 1) Expired, 2) Auto Renewed, 3) Deleted, or 4) Purged~~a URS Locked or URS Suspended domain name has been: (a) expired, (b) auto-renewed, (c) deleted, or (d) purged.
- **Registry Requirement 6- Each 7:** ~~The~~ Registry Operator ~~and Registrar~~ MUST provide ICANN with a URS point of contact (e.g., ~~role name, position, phone number,~~ email address) ~~that,~~ which ICANN will be shared with make available to the URS ~~provider~~Providers, for the ~~interaction~~purposes of ~~this process~~receiving and sending URS communications. If the Registry Operator appoints a BERO, The Registry Operator MUST provide ICANN with a BERO point of contact, which ICANN will make available to the URS Providers, for the purposes of receiving and sending URS communications. ICANN will make available to the Registry Operator and the BERO (if one has been appointed) the list of URS Providers point of contacts, for the purpose of receiving and sending URS communications.

3. Domain Name Life-Cycle:

- ~~Registry Requirement 7: If 8: During the Domain Name is under period between the activation of a URS Lock and there is determination in favor of the Complainant, on a domain name but prior to either the activation of a URS Suspension of the domain name or the return of the domain name to a Non-URS State, Registry Operator MUST activate the EPP status follow the normal domain name life-cycle for the domain name. The Registry Operator SHOULD deactivate the serverDeleteProhibited. At the moment of EPP status at expiration of the Domain Name a URS Locked domain name. Alternatively, if the Registry Operator decides not to deactivate the serverDeleteProhibited EPP status at the expiration of a URS Locked domain name, the Registry Operator MUST deactivate the EPP status serverDeleteProhibited.~~
- ~~process the deletion of such URS Locked domain name through an offline process with the Registrar Requirement 1: While there is no URS determination, a Domain Name.~~
- ~~Note: If a domain name that is subject to a URS procedure MUST follow the normal Domain Name life cycle. If the Domain Name is auto-renewed or renewed, the original Registrant MAY pay for the renewal and/or restoration.~~
 - ~~Note: If a Domain Name subject to URS procedure is purged (if the Registry Operator implements Redemption Grace Period (RGP;)), or deleted if otherwise), the URS procedure terminates will automatically terminate.~~
- ~~Registrar~~
- ~~Registry Requirement 2: After 9: In cases where a URS determination in favor of the Complainant, a Domain Name subject to a URS procedure (as defined in the URS Rules) has prevailed, Registry Operator MUST follow offer the normal Domain Name life-cycle. If option for the Domain Name is auto-renewed, the complainant MAY pay URS Complainant to extend a URS Suspended domain name's registration for up to one year of from the date the domain name was Suspended (if allowed by the maximum validity period of the TLD). Registry Operator MAY collect the renewal fee paid by the URS Complainant for the URS Suspended domain name from the sponsoring Registrar of the domain name.~~
- ~~Registry Requirement 10: Upon the expiration of a URS Suspended domain name, the Registry Operator MUST deactivate (remove from DNS zone) and/~~

purge (if the Registry Operator implements RGP) or ~~restoration~~delete the domain name following the Registry Operator's policies.

4. Registry-Registrar Agreement:

- The Registry Operator MUST specify in the Registry-Registrar Agreement for the Registry Operator's TLD that the Registrar MUST ~~handle~~accept and process payments for ~~renewals or restoration~~the renewal of a domain name by ~~the~~a URS Complainant in cases where the URS Complainant prevails.~~prevailed.~~
- The Registry Operator MUST specify in the Registry-Registrar Agreement for the Registry Operator's TLD that the Registrar MUST NOT renew a domain name to a URS Complainant who prevailed for longer than one year (if allowed by the maximum validity period of the TLD).

5. Registrar Requirements:

- **Registrar Requirement 1:** Registrar MUST provide ICANN with a URS point of contact (e.g., name, position, phone number, email address), which ICANN will make available to the URS Providers, for the purposes of receiving URS communications. ICANN will make available to the Registrar the list of URS Providers point of contacts, for the purpose of receiving URS communications.
- **Registrar Requirement 2:** During the period between the activation of a URS Lock on a domain name but prior to either the activation of a URS Suspension of the domain name or the return of the domain name to a Non-URS State, Registrar MUST follow the normal domain name life-cycle for the domain name. If the domain name registrant elects to renew, elected to auto-renew or restore the domain name registration, Registrar MAY accept such renewal and/or restoration (if the Registry Operator implements RGP).
- **Registrar Requirement 3:** Registrar MUST offer the option for the URS Complainant to extend a URS Suspended domain name's registration for up to one year (if allowed by the maximum validity period of the TLD) in cases where the URS Complainant prevailed. Registrar MUST pay the renewal fee for such domain name to the Registry Operator