

REGISTRY AGREEMENT

This REGISTRY AGREEMENT (this “Agreement”) is entered into as of _____ (the “Effective Date”) between Internet Corporation for Assigned Names and Numbers, a California nonprofit public benefit corporation (“ICANN”), and _____, a _____ (“Registry Operator”).

ARTICLE 1.

DELEGATION AND OPERATION OF TOP-LEVEL DOMAIN; REPRESENTATIONS AND WARRANTIES

1.1 Domain and Designation. The Top-Level Domain to which this Agreement applies is ____ (the “TLD”). Upon the Effective Date and until the earlier of the expiration of the Term (as defined in Section 4.1) or the termination of this Agreement pursuant to Article 4, ICANN designates Registry Operator as the registry operator for the TLD, subject to the requirements and necessary approvals for delegation of the TLD and entry into the root-zone.

1.2 Technical Feasibility of String. While ICANN has encouraged and will continue to encourage universal acceptance of all top-level domain strings across the Internet, certain top-level domain strings may encounter difficulty in acceptance by ISPs and webhosters and/or validation by web applications. Registry Operator shall be responsible for ensuring to its satisfaction the technical feasibility of the TLD string prior to entering into this Agreement.

1.3 Representations and Warranties.

(a) Registry Operator represents and warrants to ICANN as follows:

(i) all material information provided and statements made in the registry TLD application, and statements made in writing during the negotiation of this Agreement, were true and correct in all material respects at the time made, and such information or statements continue to be true and correct in all material respects as of the Effective Date except as otherwise previously disclosed in writing by Registry Operator to ICANN; and

(ii) Registry Operator is duly organized, validly existing and in good standing under the laws of the jurisdiction set forth in the preamble hereto, and Registry Operator has all requisite power and authority and has obtained all necessary approvals to enter into and duly execute and deliver this Agreement; ~~and.~~

~~(iii) Registry Operator has delivered to ICANN a duly executed instrument that secures the funds required to perform registry functions for the TLD in the event of the termination or expiration of this Agreement (the “Continued Operations Instrument”), and such instrument is a binding~~

~~obligation of the parties thereto, enforceable against the parties thereto in accordance with its terms.~~

(b) ICANN represents and warrants to Registry Operator that ICANN is a nonprofit public benefit corporation duly organized, validly existing and in good standing under the laws of the State of California, United States of America. ICANN has all requisite power and authority and has obtained all necessary corporate approvals to enter into and duly execute and deliver this Agreement.

ARTICLE 2.

COVENANTS OF REGISTRY OPERATOR

Registry Operator covenants and agrees with ICANN as follows:

2.1 Approved Services; Additional Services. Registry Operator shall be entitled to provide the Registry Services described in clauses (a) and (b) of the first paragraph of Section 2.1 in the Specification 6 attached hereto (“Specification 6”) and such other Registry Services set forth on Exhibit A (collectively, the “Approved Services”). If Registry Operator desires to provide any Registry Service that is not an Approved Service or is a material modification to an Approved Service (each, an “Additional Service”), Registry Operator shall submit a request for approval of such Additional Service pursuant to the Registry Services Evaluation Policy at <https://www.icann.org/rsep>, as such policy may be amended from time to time in accordance with the bylaws of ICANN (as amended from time to time, the “ICANN Bylaws”) applicable to Consensus Policies (the “RSEP”). Registry Operator may offer Additional Services only with the written approval of ICANN, and, upon any such approval, such Additional Services shall be deemed Registry Services under this Agreement. In its reasonable discretion, ICANN may require an amendment to this Agreement reflecting the provision of any Additional Service which is approved pursuant to the RSEP, which amendment shall be in a form reasonably acceptable to the parties.

2.2 Compliance with Consensus Policies and Temporary Policies. Registry Operator shall comply with and implement all Consensus Policies and Temporary Policies found at <https://www.icann.org/consensus-policies>, as of the Effective Date and as may in the future be developed and adopted in accordance with the ICANN Bylaws, provided such future Consensus ~~Policies~~Policies and Temporary Policies are adopted in accordance with the procedure and relate to those topics and subject to those limitations set forth in Specification 1 attached hereto (“Specification 1”).

2.3 Data Escrow. Registry Operator shall comply with the registry data escrow procedures set forth in Specification 2 attached hereto (“Specification 2”) within fourteen (14) calendar days after delegation.

2.4 Monthly Reporting. Within twenty (20) calendar days following the end of each calendar month, commencing with the first calendar month in which the TLD is delegated in the root zone, Registry Operator shall deliver to ICANN reports in the format

set forth in Specification 3 attached hereto (“Specification 3”); provided, however, that if the TLD is delegated in the root zone after the fifteenth (15th) calendar day of the calendar month, Registry Operator may defer the delivery of the reports for such first calendar month and instead deliver to ICANN such month’s reports no later than the time that Registry Operator is required to deliver the reports for the immediately following calendar month. Registry Operator must include in the Per-Registrar Transactions Report any domain name created during pre-delegation testing that has not been deleted as of the time of delegation (notably but not limited to domains registered by Registrar IDs 9995 and/or 9996).

2.5 Publication of Registration Data. Registry Operator shall provide public access to registration data in accordance with Specification 4 attached hereto (“Specification 4”).

2.6 Reserved Names. Except to the extent that ICANN otherwise expressly authorizes in writing, Registry Operator shall comply with the requirements set forth in Specification 5 attached hereto (“Specification 5”). Registry Operator may at any time establish or modify policies concerning Registry Operator’s ability to reserve (i.e., withhold from registration ~~or allocate to Registry Operator, but not register to third parties, delegate, use, activate in the DNS or otherwise make available~~) or block additional character strings within the TLD at its discretion. Except as specified in Specification 5, if Registry Operator is the registrant for any domain names in the registry TLD, such registrations must be through an ICANN accredited registrar, and will be considered Transactions (as defined in Section 6.1) for purposes of calculating the Registry-level transaction fee to be paid to ICANN by Registry Operator pursuant to Section 6.1.

2.7 Registry Interoperability and Continuity. Registry Operator shall comply with the Registry Interoperability and Continuity Specifications as set forth in Specification 6 attached hereto (“Specification 6”).

2.8 Protection of Legal Rights of Third Parties. Registry Operator must specify, and comply with, the processes and procedures for launch of the TLD and initial registration-related and ongoing protection of the legal rights of third parties as set forth Specification 7 attached hereto (“Specification 7”). Registry Operator may, at its election, implement additional protections of the legal rights of third parties. Any changes or modifications to the process and procedures required by Specification 7 following the Effective Date must be approved in advance by ICANN in writing. Registry Operator must comply with all remedies imposed by ICANN pursuant to Section 2 of Specification 7, subject to Registry Operator’s right to challenge such remedies as set forth in the applicable procedure described therein. Registry Operator shall take reasonable steps to investigate and respond to any reports from law enforcement and governmental and quasi-governmental agencies of illegal conduct in connection with the use of the TLD. In responding to such reports, Registry Operator will not be required to take any action in contravention of applicable law.

2.9 Registrars.

(a) ~~All~~ Except as specified in Specification 5, all domain name registrations in the TLD must be registered through an ICANN accredited registrar; ~~provided, that Registry Operator need not use a registrar if it registers names in its own name in order to withhold such names from delegation or use in accordance with Section 2.6.~~ Subject to the requirements of Specification 11, Registry Operator must provide non-discriminatory access to Registry Services to all ICANN accredited registrars that enter into and are in compliance with the registry-registrar agreement for the TLD; provided that Registry Operator may establish non-discriminatory criteria for qualification to register names in the TLD that are reasonably related to the proper functioning of the TLD. Registry Operator must use a uniform non-discriminatory agreement with all registrars authorized to register names in the TLD (the “Registry-Registrar Agreement”). Registry Operator may amend the Registry-Registrar Agreement from time to time; provided, however, that any material revisions thereto must be approved by ICANN before any such revisions become effective and binding on any registrar. Registry Operator will provide ICANN and all registrars authorized to register names in the TLD at least fifteen (15) calendar days written notice of any revisions to the Registry-Registrar Agreement before any such revisions become effective and binding on any registrar. During such period, ICANN will determine whether such proposed revisions are immaterial, potentially material or material in nature. If ICANN has not provided Registry Operator with notice of its determination within such fifteen (15) calendar-day period, ICANN shall be deemed to have determined that such proposed revisions are immaterial in nature. If ICANN determines, or is deemed to have determined under this Section 2.9(a), that such revisions are immaterial, then Registry Operator may adopt and implement such revisions. If ICANN determines such revisions are either material or potentially material, ICANN will thereafter follow its procedure regarding review and approval of changes to Registry-Registrar Agreements at <https://www.icann.org/rra-amendment-procedure>, and such revisions may not be adopted and implemented until approved by ICANN. Notwithstanding the foregoing provisions of this Section 2.9(a), any change to the Registry-Registrar Agreement that relates exclusively to the fee charged by Registry Operator to register domain names in the TLD will not be subject to the notice and approval process specified in this Section 2.9(a), but will be subject to the requirements in Section 2.10 below. Registry Operator agrees to provide ICANN notice of termination of any Registry-Registrar Agreement prior to the effectiveness of such termination promptly and, in any event, within fifteen (15) calendar days of Registry Operator becoming aware of such termination.

(b) If Registry Operator (i) becomes an Affiliate or reseller of an ICANN accredited registrar, or (ii) subcontracts the provision of any Registry Services to an ICANN accredited registrar, registrar reseller or any of their respective Affiliates, then, in either such case of (i) or (ii) above, Registry Operator will give ICANN prompt notice of the contract, transaction or other arrangement that resulted in such affiliation, reseller relationship or subcontract, as applicable, including, if requested by ICANN, copies of any contract relating thereto; provided, that ICANN will treat such contract or related documents that are appropriately marked as confidential (as required by Section 7.15) as Confidential Information of Registry Operator in accordance with Section 7.15 (except that

ICANN may disclose such contract and related documents to relevant competition authorities). ICANN reserves the right, but not the obligation, to refer any such contract, related documents, transaction or other arrangement to relevant competition authorities in the event that ICANN determines that such contract, related documents, transaction or other arrangement might raise significant competition issues under applicable law. If feasible and appropriate under the circumstances, ICANN will give Registry Operator advance notice prior to making any such referral to a competition authority.

(c) For the purposes of this Agreement: (i) “Affiliate” means a person or entity that, directly or indirectly, through one or more intermediaries, or in combination with one or more other persons or entities, controls, is controlled by, or is under common control with, the person or entity specified, and (ii) “control” (including the terms “controlled by” and “under common control with”) means the possession, directly or indirectly, of the power to direct or cause the direction of the management or policies of a person or entity, whether through the ownership of securities, as trustee or executor, by serving as an employee or a member of a board of directors or equivalent governing body, by contract, by credit arrangement or otherwise.

2.10 Pricing for Registry Services.

(a) With respect to initial domain name registrations, Registry Operator shall provide each ICANN accredited registrar that has executed the Registry-Registrar Agreement for the TLD advance written notice of any price increase (including as a result of the elimination of any refunds, rebates, discounts, product tying or other programs which had the effect of reducing the price charged to registrars, unless such refunds, rebates, discounts, product tying or other programs are of a limited duration that is clearly and conspicuously disclosed to the registrar when offered) of no less than thirty (30) calendar days. Registry Operator shall offer registrars the option to obtain initial domain name registrations for periods of one (1) to ten (10) years at the discretion of the registrar, but no greater than ten (10) years.

(b) With respect to renewal of domain name registrations, Registry Operator shall provide each ICANN accredited registrar that has executed the Registry-Registrar Agreement for the TLD advance written notice of any price increase (including as a result of the elimination of any refunds, rebates, discounts, product tying, Qualified Marketing Programs or other programs which had the effect of reducing the price charged to registrars) of no less than one hundred eighty (180) calendar days. Notwithstanding the foregoing sentence, with respect to renewal of domain name registrations: (i) Registry Operator need only provide thirty (30) calendar days notice of any price increase if the resulting price is less than or equal to (A) for the period beginning on the Effective Date and ending twelve (12) months following the Effective Date, the initial price charged for registrations in the TLD, or (B) for subsequent periods, a price for which Registry Operator provided a notice pursuant to the first sentence of this Section 2.10(b) within the twelve (12) month period preceding the effective date of the proposed price increase; and (ii) Registry Operator need not provide notice of any price increase for the imposition of the Variable Registry-Level Fee set forth in Section 6.3. Registry Operator shall offer registrars

the option to obtain domain name registration renewals at the current price (i.e., the price in place prior to any noticed increase) for periods of one (1) to ten (10) years at the discretion of the registrar, but no greater than ten (10) years.

(c) In addition, Registry Operator must have uniform pricing for renewals of domain name registrations (“Renewal Pricing”). For the purposes of determining Renewal Pricing, the price for each domain registration renewal must be identical to the price of all other domain name registration renewals in place at the time of such renewal, and such price must take into account universal application of any refunds, rebates, discounts, product tying or other programs in place at the time of renewal. The foregoing requirements of this Section 2.10(c) shall not apply for (i) purposes of determining Renewal Pricing if the registrar has provided Registry Operator with documentation that demonstrates that the applicable registrant expressly agreed in its registration agreement with registrar to higher Renewal Pricing at the time of the initial registration of the domain name following clear and conspicuous disclosure of such Renewal Pricing to such registrant, and (ii) discounted Renewal Pricing pursuant to a Qualified Marketing Program (as defined below). The parties acknowledge that the purpose of this Section 2.10(c) is to prohibit abusive and/or discriminatory Renewal Pricing practices imposed by Registry Operator without the written consent of the applicable registrant at the time of the initial registration of the domain and this Section 2.10(c) will be interpreted broadly to prohibit such practices. For purposes of this Section 2.10(c), a “Qualified Marketing Program” is a marketing program pursuant to which Registry Operator offers discounted Renewal Pricing, provided that each of the following criteria is satisfied: (i) the program and related discounts are offered for a period of time not to exceed one hundred eighty (180) calendar days (with consecutive substantially similar programs aggregated for purposes of determining the number of calendar days of the program), (ii) all ICANN accredited registrars are provided the same opportunity to qualify for such discounted Renewal Pricing; and (iii) the intent or effect of the program is not to exclude any particular class(es) of registrations (e.g., registrations held by large corporations) or increase the renewal price of any particular class(es) of registrations. Nothing in this Section 2.10(c) shall limit Registry Operator’s obligations pursuant to Section 2.10(b).

(d) Registry Operator shall provide public query-based DNS lookup service for the TLD (that is, operate the Registry TLD zone servers) at its sole expense.

2.11 Contractual and Operational Compliance Audits.

(a) ICANN may from time to time (not to exceed twice per calendar year) conduct, or engage a third party to conduct, contractual compliance audits to assess compliance by Registry Operator with its representations and warranties contained in Article 1 of this Agreement and its covenants contained in Article 2 of this Agreement. Such audits shall be tailored to achieve the purpose of assessing compliance, and ICANN will (a) give reasonable advance notice of any such audit, which notice shall specify in reasonable detail the categories of documents, data and other information requested by ICANN, and (b) use commercially reasonable efforts to conduct such audit during regular business hours and in such a manner as to not unreasonably disrupt the operations of Registry

Operator. As part of such audit and upon request by ICANN, Registry Operator shall timely provide all responsive documents, data and any other information reasonably necessary to demonstrate Registry Operator's compliance with this Agreement. Upon no less than ten (10) calendar days notice (unless otherwise agreed to by Registry Operator), ICANN may, as part of any contractual compliance audit, conduct site visits during regular business hours to assess compliance by Registry Operator with its representations and warranties contained in Article 1 of this Agreement and its covenants contained in Article 2 of this Agreement. ICANN will treat any information obtained in connection with such audits that is appropriately marked as confidential (as required by Section 7.15) as Confidential Information of Registry Operator in accordance with Section 7.15.

(b) Any audit conducted pursuant to Section 2.11(a) will be at ICANN's expense, unless (i) Registry Operator (A) controls, is controlled by, is under common control or is otherwise Affiliated with, any ICANN accredited registrar or registrar reseller or any of their respective Affiliates, or (B) has subcontracted the provision of Registry Services to an ICANN accredited registrar or registrar reseller or any of their respective Affiliates, and, in either case of (A) or (B) above, the audit relates to Registry Operator's compliance with Section 2.14, in which case Registry Operator shall reimburse ICANN for all reasonable costs and expenses associated with the portion of the audit related to Registry Operator's compliance with Section 2.14, or (ii) the audit is related to a discrepancy in the fees paid by Registry Operator hereunder in excess of 5% in a given quarter to ICANN's detriment, in which case Registry Operator shall reimburse ICANN for all reasonable costs and expenses associated with the entirety of such audit. In either such case of (i) or (ii) above, such reimbursement will be paid together with the next Registry-Level Fee payment due following the date of transmittal of the cost statement for such audit.

(c) Notwithstanding Section 2.11(a), if Registry Operator is found not to be in compliance with its representations and warranties contained in Article 1 of this Agreement or its covenants contained in Article 2 of this Agreement in two consecutive audits conducted pursuant to this Section 2.11, ICANN may increase the number of such audits to one per calendar quarter.

(d) Registry Operator will give ICANN immediate notice of Registry Operator's knowledge of the commencement of any of the proceedings referenced in Section 4.3(d) or the occurrence of any of the matters specified in Section 4.3(f).

2.12 ~~Continued Operations Instrument.~~ Registry Operator shall comply with the terms and conditions relating to the Continued Operations Instrument set forth in Specification 8 attached hereto (~~"Specification 8"~~). ~~Intentionally Omitted.~~

2.13 Emergency Transition. Registry Operator agrees that, in the event that ~~(i) any of the emergency thresholds~~ threshold for registry functions set forth in Section 6 of Specification 10 is reached, (ii) Registry Operator has not paid the fees required by Section 6.1 or Section 6.3 for a period of at least two (2) calendar quarters and such breaches remain uncured, (iii) Registry Operator makes a request to ICANN, (iv) ICANN sends

Registry Operator a notice of termination pursuant to Section 4.3, or (v) Registry Operator provides notice of termination to ICANN pursuant to Section 4.4, ICANN may designate an emergency interim registry operator of the registry for the TLD (an “Emergency Operator”) in accordance with ICANN’s registry transition process (available at <https://www.icann.org/registry-transition-processes>) (as the same may be amended from time to time, the “Registry Transition Process”) ~~until. Registry Operator agrees that if one of the events set forth above in (i) through (v) has occurred and there are no third party registrations for the TLD, ICANN may, in its sole discretion, choose to remove the TLD from the root zone as a means of emergency transition instead of designating an Emergency Operator. Any emergency transition pursuant to this Section 2.13 shall last until the earlier of the following occurs (a) with respect to clauses (i) through (iv) above, such time as Registry Operator has demonstrated to ICANN’s reasonable satisfaction that it can resume operation of the registry for the TLD without the reoccurrence of such failure. Following such demonstration~~ has (i) satisfied the Resumption of Operations Requirements (as defined below) and (ii) cured all breaches of Registry Operator under this Agreement or (b) with respect to clauses (i) through (v) above, termination of this Agreement and pursuant to Section 4.5, the transition of the TLD to another operator, if necessary. With respect to clauses (i) through (iv) above, ICANN shall provide Registry Operator, upon request, with detailed written requirements and a reasonable time frame to demonstrate its ability to resume operations (the “Resumption of Operations Requirements”). At such time that the conditions set forth in clause (a) above have been satisfied, Registry Operator may transition back into operation of the registry for the TLD pursuant to the procedures set out in the Registry Transition Process, provided that Registry Operator pays all reasonable costs incurred ~~(i)~~ by ICANN as a result of the designation of the Emergency Operator and ~~(iii)~~ by the Emergency Operator in connection with the operation of the registry for the TLD, which costs shall be documented in reasonable detail in records that shall be made available to Registry Operator. In the event Registry Operator has not satisfied the Resumption of Operations Requirements in the time frame provided by ICANN, ICANN may terminate this Agreement upon notice to Registry Operator. In the event ICANN designates an Emergency Operator pursuant to this Section 2.13 and the Registry Transition Process, Registry Operator shall provide ICANN or any such Emergency Operator with all data (including the data escrowed in accordance with Section 2.3) regarding operations of the registry for the TLD necessary to maintain operations and registry functions that may be reasonably requested by ICANN or such Emergency Operator. Registry Operator agrees that ICANN, through the entity ICANN contracts with to perform the IANA Naming Functions, may make any changes it deems necessary to the IANA database with respect to the TLD in the event that an Emergency Operator is designated pursuant to this Section 2.13. ~~In addition, in the event of such failure, ICANN shall retain and may enforce its rights under the Continued Operations Instrument.~~

2.14 Registry Code of Conduct. In connection with the operation of the registry for the TLD, Registry Operator shall comply with the Registry Code of Conduct as set forth in Specification 9 attached hereto (“Specification 9”).

2.15 Cooperation with Economic Studies. If ICANN initiates or commissions an economic study on the impact or functioning of new generic top-level domains on the

Internet, the DNS or related matters, Registry Operator shall reasonably cooperate with such study, including by delivering to ICANN or its designee conducting such study all data related to the operation of the TLD reasonably necessary for the purposes of such study requested by ICANN or its designee, provided, that Registry Operator may withhold (a) any internal analyses or evaluations prepared by Registry Operator with respect to such data and (b) any data to the extent that the delivery of such data would be in violation of applicable law. Any data delivered to ICANN or its designee pursuant to this Section 2.15 that is appropriately marked as confidential (as required by Section 7.15) shall be treated as Confidential Information of Registry Operator in accordance with Section 7.15, provided that, if ICANN aggregates and makes anonymous such data, ICANN or its designee may disclose such data to any third party. Following completion of an economic study for which Registry Operator has provided data, ICANN will destroy all data provided by Registry Operator that has not been aggregated and made anonymous.

2.16 Registry Performance Specifications. Registry Performance Specifications for operation of the TLD will be as set forth in Specification 10 attached hereto (“Specification 10”). Registry Operator shall comply with such Performance Specifications and, for a period of at least one (1) year, shall keep technical and operational records sufficient to evidence compliance with such specifications for each calendar year during the Term.

2.17 Additional Public Interest Commitments. Registry Operator shall comply with the public interest commitments set forth in Specification 11 attached hereto (“Specification 11”).

2.18 Personal Data. Registry Operator shall ~~(i)~~ notify each ~~ICANN-accredited~~ICANN accredited registrar that is a party to the Registry-Registrar Agreement for the TLD of the purposes for which data about any identified or identifiable natural person (“Personal Data”) submitted to Registry Operator by such registrar is ~~collected and used~~processed under this Agreement ~~or otherwise and~~, the intended recipients (or categories of recipients) of such Personal Data, ~~and (ii) require such registrar to obtain the consent of each registrant in the TLD for such collection and use of Personal Data~~the legal basis for such processing. Registry Operator shall ~~take reasonable steps~~implement appropriate technical and organizational measures to ensure a level of security commensurate to the risks associated with the processing in order to protect Personal Data collected from such registrar from loss, misuse, unauthorized disclosure, alteration or destruction. Registry Operator shall not use or authorize the use of Personal Data ~~in a way that is incompatible with~~for any purposes other than those explicitly stated in the notice provided to registrars, ~~unless further notice is provided to registrars and any necessary data subject consent (where applicable) is obtained, or another lawful basis for processing is identified. If Registry Operator has an active Data Processing Specification with ICANN (which is incorporated herein by its terms), and any provision of the Data Processing Specification conflicts with this Section 2.18, the Data Processing Specification shall prevail and supersede the conflicting provision in this Section 2.18, if any.~~unless further notice is provided to registrars and any necessary data subject consent (where applicable) is obtained, or another lawful basis for processing is identified. If Registry Operator has an active Data Processing Specification with ICANN (which is incorporated herein by its terms), and any provision of the Data Processing Specification conflicts with this Section 2.18, the Data Processing Specification shall prevail and supersede the conflicting provision in this Section 2.18, if any.

2.19 Incident Reporting. Registry Operator will give ICANN notice within seventy-two (72) hours of Registry Operator's discovery of any cyber incident, physical intrusion or infrastructure damages concerning the registry system for the TLD that significantly jeopardizes, or is reasonably likely to significantly jeopardize, the integrity, confidentiality or availability of the registry system such as significant: accidental or unlawful destruction, loss, alteration, unauthorized disclosure of, or access to registrar account information, registration data, DNSSEC cryptographic private keys, or other information assets critical to the operation of the registry system. The notice required pursuant to this Section 2.19 shall include, to the extent known by Registry Operator after a reasonable investigation, a detailed description of the cyber incident, physical intrusion or infrastructure damages including how it occurred, the registry system impacted, the likely impacts to registrars or registrants, if any, the number of registrars, domain names, and registrants affected, and the actions taken by Registry Operator in response to the cyber incident, physical intrusion or infrastructure damages. If such information is not available initially, Registry Operator shall provide such information when it becomes available without undue delay. ICANN may publish data about any security incidents that Registry Operator reports to ICANN pursuant to this Section 2.19 using anonymized statistics provided; however, ICANN may not publish any information reported pursuant to this Section 2.19 for at least ninety (90) days after such information is received by ICANN; further, ICANN may publish such information prior to the expiration of such ninety (90) day period if Registry Operator provides written consent thereto, which consent shall not be unreasonably withheld.

2.20 Delegation Testing. Registry Operator shall complete all testing and procedures (identified by ICANN in writing to Registry Operator prior to the Effective Date) for delegation of the TLD into the root zone within twelve (12) months of the Effective Date; provided, that such period may be extended either: (a) temporarily by the entity ICANN contracts with to perform the IANA Naming Functions in order to ensure the security and/or stability of the Internet or DNS to (1) maintain a safe rate of change for the root zone or (2) prevent or minimize DNS service instabilities, in which case any such temporary delay shall automatically extend the twelve (12) months the Registry Operator has to complete testing and procedures for delegation pursuant to Section 4.3(b) by the same number of days as the number of days of such delay; or (b) as requested by the Registry Operator for up to an additional twelve (12) months for delegation if it can demonstrate, to ICANN's reasonable satisfaction, that Registry Operator is working diligently and in good faith toward successfully completing the steps necessary for delegation of the TLD.

2.19.21 [Note: For Community-Based TLDs Only] [Obligations of Registry Operator to TLD Community. Registry Operator shall establish registration policies in conformity with the application submitted with respect to the TLD for: (i) naming conventions within the TLD, and (ii) requirements for registration by members of the TLD community, ~~and (iii) use of registered domain names in conformity with the stated purpose of the community-based TLD.~~ Registry Operator shall operate the TLD in a manner that allows the TLD community to discuss and participate in the development and modification of policies and practices for the TLD. Registry Operator shall establish procedures for the

enforcement of registration policies for the TLD, and resolution of disputes concerning compliance with TLD registration policies, and shall enforce such registration policies. Registry Operator agrees to implement and be bound by the Registry Restrictions Dispute Resolution Procedure as set forth at <https://www.icann.org/rrdrp> with respect to disputes arising pursuant to this Section ~~2.19~~2.21. Registry Operator shall implement and comply with the community registration policies set forth on Specification 12 attached hereto.]

2.22 [Note: For .Brand TLDs Only] [Brand TLD Provisions. In connection with the operation of the registry as a .Brand TLD, Registry Operator shall comply with the provisions of Specification 13 attached hereto (“Specification 13”) for so long as the TLD meets the requirements of the definition of a .Brand TLD as set forth in Specification 13.]

2.23 [Note: For TLDs with Variants Only] [Variant TLDs. Registry Operator shall operate the Primary TLD and Variant TLD(s) in compliance with the requirements of Specification 14 attached hereto (“Specification 14”).]

ARTICLE 3.

COVENANTS OF ICANN

ICANN covenants and agrees with Registry Operator as follows:

3.1 Open and Transparent. Consistent with ICANN’s expressed mission and core values, ICANN shall operate in an open and transparent manner.

3.2 Equitable Treatment. ICANN shall not apply standards, policies, procedures or practices arbitrarily, unjustifiably, or inequitably and shall not single out Registry Operator for disparate treatment unless justified by substantial and reasonable cause.

3.3 TLD Nameservers. ICANN will use commercially reasonable efforts to ensure that any changes to the TLD nameserver designations submitted to ICANN ~~by Registry Operator (in a format and with required technical elements specified by ICANN at <https://www.iana.org/domains/root/> will be~~ <https://rzm.iana.org>, through the entity ICANN contracts with to perform the IANA Naming Functions, are implemented by ICANN ~~within seven (7) calendar days or as promptly as feasible following technical verifications~~ in accordance with the IANA Naming Functions: Service Level Agreements.

3.4 Root-zone Information Publication. ICANN’s publication, ~~through the entity ICANN contracts with to perform the IANA Naming Functions,~~ of root-zone contact information for the TLD will include Registry Operator and its administrative and technical contacts. Any request to modify the contact information for the Registry Operator must be made in the format specified from time to time by ICANN at <https://www.iana.org/domains/root/>.

3.5 Authoritative Root Database. To the extent that ICANN is authorized to set policy with regard to an authoritative root server system (the “Authoritative Root Server

System”), ICANN, through the entity ICANN contracts with to perform the IANA Naming Functions, shall use commercially reasonable efforts to (a) subject to Section 2.13, ensure that the authoritative root will point to the top-level domain nameservers designated by Registry Operator for the TLD, (b) maintain a stable, secure, and authoritative publicly available database of relevant information about the TLD, in accordance with ICANN publicly available policies and procedures, and (c) coordinate the Authoritative Root Server System so that it is operated and maintained in a stable and secure manner; provided, that ICANN shall not be in breach of this Agreement and ICANN shall have no liability in the event that any third party (including any governmental entity or internet service provider) blocks or restricts access to the TLD in any jurisdiction.

ARTICLE 4.

TERM AND TERMINATION

4.1 Term. The term of this Agreement will be ten (10) years from the Effective Date (as such term may be extended pursuant to Section 4.2, the “Term”).

4.2 Renewal.

(a) This Agreement will be renewed for successive periods of ten (10) years upon the expiration of the initial Term set forth in Section 4.1 and each successive Term, unless:

(i) ~~Following notice by ICANN to Registry Operator of a fundamental and Registry Operator has failed to cure a material breach of Registry Operator’s covenants set forth in Article 2, or breach of its payment obligations under Article 6 of this Agreement, which ICANN has issued a notice of termination to Registry Operator regarding said~~ shall include with specificity the details of the alleged breach, and such breach has not been cured within thirty (30) calendar days of such notice, (as set forth in Section 4.3(a)), and either: (A) an arbitrator or court of competent jurisdiction has finally determined that Registry Operator has been in fundamental and material breach of such covenant(s) or in breach of its payment obligations, and Registry Operator did not initiate mediation or arbitration pursuant to Section 4.3(a) and Article 5; or (B) in the event that Registry Operator initiated arbitration pursuant to Sections 4.3(a) and 5.2 and ICANN prevailed in said arbitration, has failed to comply with such determination and Registry Operator has failed to cure such said breach within ten (10) calendar days of the arbitration determination or such other time period as may be determined by the arbitrator or court of competent jurisdiction; ~~or~~

(ii) Registry Operator is in breach of its payment obligations under Article 6 of this Agreement and such breach has not been cured within thirty (30) calendar days following notice from ICANN of such breach; or

(iii) During the then current Term, Registry Operator shall have been found by an arbitrator (pursuant to Section 5.2 of this Agreement) or a court of competent jurisdiction on at least three (3) separate occasions to have been in ~~(A) fundamental and material breach (whether or not cured) of~~ Registry Operator's covenants set forth in Article 2 ~~or (B) breach of its payment obligations under Article 6 of this Agreement.~~ For purposes of this Section 4.2(a)(iii), Registry Operator will be deemed to have been in material breach of Registry Operator's covenants set forth in Article 2 if ICANN prevails in an arbitration commenced by Registry Operator pursuant to Section 4.3(a).

(b) Upon the occurrence of the events set forth in Section 4.2(a) (i) ~~or~~ (ii) or (iii), the Agreement shall upon notice to Registry Operator, terminate at the expiration of the then-current Term.

4.3 Termination by ICANN.

(a) ~~ICANN may, upon notice to Registry Operator, terminate this Agreement if: (i) In the event that~~ Registry Operator fails to cure ~~(A) any fundamental and material breach of Registry Operator's representations and warranties set forth in Article 1 or covenants set forth in Article 2, or (B) any breach of Registry Operator's payment obligations set forth in Article 6 of this Agreement, each~~ within thirty (30) calendar days after ICANN gives Registry Operator notice of such breach, which notice will include with specificity the details of the alleged breach, ~~(ii) an arbitrator or court of competent jurisdiction has finally determined that Registry Operator is in fundamental and material breach of such covenant(s) or in breach of its payment obligations, and (iii) Registry Operator fails to comply with such determination and cure such breach within~~ ICANN may issue a notice of termination of this Agreement to Registry Operator, with termination of this Agreement becoming effective at the time specified in such notice of termination. In order to dispute the termination of this Agreement, Registry Operator must initiate mediation pursuant to Article 5 within thirty (30) calendar days after issuance of such notice of termination. If the dispute is not resolved through mediation or the mediation is otherwise terminated in accordance with Article 5, in order to further dispute the termination of this Agreement, Registry Operator must initiate arbitration pursuant to Article 5 within fourteen (14) calendar days of termination of mediation. ICANN may proceed with termination of this Agreement as set forth in the notice of termination upon the first to occur of the following: (i) thirty (30) calendar days after issuance of such notice of termination of this Agreement, if Registry Operator does not timely initiate mediation pursuant to this Section 4.3(a) and Article 5; (ii) fourteen (14) calendar days after the termination of mediation, if Registry Operator does not timely initiate arbitration pursuant to this Section 4.3(a) and Article 5; or (iii) ten (10) calendar days (or such other ~~time~~ cure period as may be determined by the arbitrator or court of competent jurisdiction) after an arbitration determination in favor of ICANN, if Registry Operator fails to cure the material breach during such cure period.

(b) ICANN may, upon notice to Registry Operator, terminate this Agreement if Registry Operator fails to complete all testing and procedures (identified by ICANN in writing to Registry Operator prior to the ~~date hereof~~Effective Date) for delegation of the TLD into the root zone within twelve (12) months of the Effective Date. ~~Registry Operator may request an extension for up to additional twelve (12) months for delegation if it can demonstrate, to ICANN's reasonable satisfaction, that Registry Operator is working diligently and in good faith toward successfully completing the steps necessary for delegation of the TLD, or such longer period pursuant to Section 2.20, if applicable.~~ Any fees paid by Registry Operator to ICANN prior to such termination date shall be retained by ICANN in full.

~~(c) ICANN may, upon notice to Registry Operator, terminate this Agreement if (i) Registry Operator fails to cure a material breach of Registry Operator's obligations set forth in Section 2.12 of this Agreement within thirty (30) calendar days of delivery of notice of such breach by ICANN, or if the Continued Operations Instrument is not in effect for greater than sixty (60) consecutive calendar days at any time following the Effective Date, (ii) an arbitrator or court of competent jurisdiction has finally determined that Registry Operator is in material breach of such covenant, and (iii) Registry Operator fails to cure such breach within ten (10) calendar days or such other time period as may be determined by the arbitrator or court of competent jurisdiction.~~Intentionally Omitted.

(d) ICANN may, upon notice to Registry Operator, terminate this Agreement if (i) Registry Operator makes an assignment for the benefit of creditors or similar act, (ii) attachment, garnishment or similar proceedings are commenced against Registry Operator, which proceedings ~~are a material threat to~~would reasonably be expected to materially and adversely affect Registry Operator's ability to operate the registry for the TLD, and are not dismissed within sixty (60) calendar days of their commencement, (iii) a trustee, receiver, liquidator or equivalent is appointed in place of Registry Operator or maintains control over any of Registry Operator's property, (iv) execution is levied upon any material property of Registry Operator that, if levied, would reasonably be expected to materially and adversely affect Registry Operator's ability to operate the registry for the TLD, (v) proceedings are instituted by or against Registry Operator under any bankruptcy, insolvency, reorganization or other laws relating to the relief of debtors and such proceedings are not dismissed within sixty (60) calendar days of their commencement (if such proceedings are instituted by Registry Operator or its Affiliates) or one hundred and eighty (180) calendar days of their commencement (if such proceedings are instituted by a third party against Registry Operator), or (vi) Registry Operator files for protection under the United States Bankruptcy Code, 11 U.S.C. Section 101, et seq., or a foreign equivalent or liquidates, dissolves or otherwise discontinues its operations or the operation of the TLD.

(e) ICANN may, upon thirty (30) calendar days' notice to Registry Operator, terminate this Agreement pursuant to a determination by any PDDRP panel or RRDRP panel under Section 2 of Specification 7 or a determination by any PICDRP panel under Section 2, Section 3 or any other applicable Section of Specification 11, subject to

Registry Operator’s right to challenge such termination as set forth in the applicable procedure described therein.

(f) ICANN may, upon notice to Registry Operator, terminate this Agreement if (i) Registry Operator knowingly employs any officer who is convicted of a misdemeanor related to financial activities or of any felony, or is judged by a court of competent jurisdiction to have committed fraud or breach of fiduciary duty, or is the subject of a judicial determination that ICANN reasonably deems as the substantive equivalent of any of the foregoing and such officer is not terminated within thirty (30) calendar days of Registry Operator’s knowledge of the foregoing, ~~or~~ (ii) any member of Registry Operator’s board of directors or similar governing body is convicted of a misdemeanor related to financial activities or of any felony, or is ~~judged~~determined by a court of competent jurisdiction or by an arbitrator to have committed fraud or breach of fiduciary duty, or is the subject of a judicial or arbitral determination that ICANN reasonably deems as the substantive equivalent of any of the foregoing and such member is not removed from Registry Operator’s board of directors or similar governing body within thirty (30) calendar days of Registry Operator’s knowledge of the foregoing, ~~or~~ (iii) the Registry Operator is determined by a court of competent jurisdiction or by an arbitrator to have committed fraud or deceptive practices, or is the subject of a judicial or arbitral determination that ICANN reasonably deems as the substantive equivalent.

(g) ICANN may, upon thirty (30) calendar days’ notice to Registry Operator, terminate this Agreement as specified in Section 7.5.

(h) ICANN may, upon notice to Registry Operator, terminate this Agreement if Registry Operator fails to cure any breach of Registry Operator’s payment obligations set forth in Article 6 of this Agreement within thirty (30) calendar days after ICANN gives Registry Operator notice of such breach, which notice will include with specificity the details of the alleged breach. In the event ICANN terminates this Agreement pursuant to this Section 4.3(h), Registry Operator agrees that it may not dispute such termination.

(i) Notwithstanding Section 4.3(a), ICANN may, upon notice to Registry Operator, terminate this Agreement as specified in Section 2.13.

~~(h)~~ [Applicable to intergovernmental organizations or governmental entities only.] ICANN may terminate this Agreement pursuant to Section 7.16.

4.4 Termination by Registry Operator.

(a) ~~Registry Operator may terminate this Agreement upon notice to ICANN if (i) In the event~~ ICANN fails to cure any ~~fundamental and~~ material breach of ICANN’s covenants set forth in Article 3, within thirty (30) calendar days after Registry Operator gives ICANN notice of such breach, which notice will include with specificity the details of the alleged breach, ~~(ii) an arbitrator or court of competent jurisdiction has finally determined that ICANN is in fundamental and material breach of such covenants, and (iii) ICANN fails to comply with such determination and cure such breach within~~ Registry

Operator may issue a notice of termination of this Agreement to ICANN, with termination of this Agreement becoming effective at the time specified in such notice of termination. In order to dispute the termination of this Agreement, ICANN must initiate mediation pursuant to Article 5 within thirty (30) calendar days after issuance of such notice of termination. If the dispute is not resolved through mediation or the mediation is otherwise terminated in accordance with Article 5, in order to further dispute the termination of this Agreement, ICANN must initiate arbitration pursuant to Article 5 within fourteen (14) calendar days of termination of mediation. Registry Operator may proceed with termination of this Agreement upon the first to occur of the following: (i) thirty (30) calendar days after issuance of such notice of termination of this Agreement, if ICANN does not timely initiate mediation pursuant to this Section 4.4(a) and Article 5; (ii) fourteen (14) calendar days after the termination of mediation, if ICANN does not timely initiate arbitration pursuant to this Section 4.4(a) and Article 5; or (iii) ten (10) calendar days (or such other ~~time~~cure period as may be determined by the arbitrator or court of competent jurisdiction) after an arbitration determination in favor of Registry Operator, if ICANN fails to cure the material breach during such cure period.

(b) Registry Operator may terminate this Agreement for any reason upon one hundred eighty (180) calendar day advance notice to ICANN.

4.5 Transition of Registry upon Termination of Agreement. Upon expiration of the Term pursuant to Section 4.1 or Section 4.2 or any termination of this Agreement pursuant to Section 4.3 or Section 4.4, Registry Operator shall provide ICANN or any successor registry operator that may be designated by ICANN for the TLD in accordance with this Section 4.5 with all data (including the data escrowed in accordance with Section 2.3) regarding operations of the registry for the TLD necessary to maintain operations and registry functions that may be reasonably requested by ICANN or such successor registry operator. After consultation with Registry Operator, ICANN shall determine whether or not to transition operation of the TLD to a successor registry operator in its sole discretion and in conformance with the Registry Transition Process; provided, however, that (i) ICANN will take into consideration any intellectual property rights of Registry Operator (as communicated to ICANN by Registry Operator) in determining whether to transition operation of the TLD to a successor registry operator and (ii) if Registry Operator demonstrates to ICANN's reasonable satisfaction that (A) all domain name registrations in the TLD are registered to, and maintained by, Registry Operator or its Affiliates for their exclusive use, (B) Registry Operator does not sell, distribute or transfer control or use of any registrations in the TLD to any third party that is not an Affiliate of Registry Operator, and (C) transitioning operation of the TLD is not necessary to protect the public interest, then ICANN may not transition operation of the TLD to a successor registry operator upon the expiration or termination of this Agreement without the consent of Registry Operator (which shall not be unreasonably withheld, conditioned or delayed). For the avoidance of doubt, the foregoing sentence shall not prohibit ICANN from delegating the TLD pursuant to a future application process for the delegation of top-level domains, subject to any processes and objection procedures instituted by ICANN in connection with such application process intended to protect the rights of third parties. Registry Operator agrees that ICANN, through the entity ICANN contracts with to perform the IANA Naming

[Functions](#), may make any changes it deems necessary to the IANA database with respect to the TLD in the event of a transition of the TLD pursuant to this Section 4.5. ~~In addition, ICANN or its designee shall retain and may enforce its rights under the Continued Operations Instrument for the maintenance and operation of the TLD, regardless of the reason for termination or expiration of this Agreement.~~

[Alternative Section 4.5 Transition of Registry upon Termination of Agreement text for intergovernmental organizations or governmental entities or other special circumstances:

“Transition of Registry upon Termination of Agreement. Upon expiration of the Term pursuant to Section 4.1 or Section 4.2 or any termination of this Agreement pursuant to Section 4.3 or Section 4.4, in connection with ICANN’s designation of a successor registry operator for the TLD, Registry Operator and ICANN agree to consult each other and work cooperatively to facilitate and implement the transition of the TLD in accordance with this Section 4.5. After consultation with Registry Operator, ICANN shall determine whether or not to transition operation of the TLD to a successor registry operator in its sole discretion and in conformance with the Registry Transition Process. In the event ICANN determines to transition operation of the TLD to a successor registry operator, upon Registry Operator’s consent (which shall not be unreasonably withheld, conditioned or delayed), Registry Operator shall provide ICANN or such successor registry operator for the TLD with any data regarding operations of the TLD necessary to maintain operations and registry functions that may be reasonably requested by ICANN or such successor registry operator in addition to data escrowed in accordance with Section 2.3 hereof. In the event that Registry Operator does not consent to provide such data, any registry data related to the TLD shall be returned to Registry Operator, unless otherwise agreed upon by the parties. Registry Operator agrees that ICANN, [through the entity ICANN contracts with to perform the IANA Naming Functions](#), may make any changes it deems necessary to the IANA database with respect to the TLD in the event of a transition of the TLD pursuant to this Section 4.5. ~~In addition, ICANN or its designee shall retain and may enforce its rights under the Continued Operations Instrument, regardless of the reason for termination or expiration of this Agreement.”]~~

4.6 Effect of Termination. Upon any expiration of the Term or termination of this Agreement, the obligations and rights of the parties hereto shall cease, provided that such expiration or termination of this Agreement shall not relieve the parties of any obligation or breach of this Agreement accruing prior to such expiration or termination, including, without limitation, all accrued payment obligations arising under Article 6. In addition, Article 5, Article 7, Section ~~2.12~~[2.18](#), [Section 2.19](#), Section 4.5, and this Section 4.6 shall survive the expiration or termination of this Agreement. For the avoidance of doubt, the rights of Registry Operator to operate the registry for the TLD shall immediately cease upon any expiration of the Term or termination of this Agreement.

ARTICLE 5.

DISPUTE RESOLUTION

5.1 Mediation. In the event of any dispute arising under or in connection with this Agreement (other than disputes arising under Section 4.3(h) which shall not be subject to the provisions of this Article 5), before either party may initiate arbitration pursuant to Section 5.2 below, ICANN and Registry Operator must first attempt to resolve the dispute through mediation in accordance with the following terms and conditions, provided that such mediation is timely initiated in accordance with the terms of this Agreement (including the provisions of Section 4.3(a)):

(a) A party shall submit a dispute to mediation by written notice to the other party. The mediation shall be conducted by a single mediator selected by the parties. If the parties cannot agree on a mediator within fifteen (15) calendar days of delivery of written notice pursuant to this Section 5.1, the parties will promptly select a mutually acceptable mediation provider entity, which entity shall, as soon as practicable following such entity's selection, designate a mediator, who is a licensed attorney with general knowledge of contract law, has no ongoing business relationship with either party and, to the extent necessary to mediate the particular dispute, general knowledge of the domain name system. Any mediator must confirm in writing that he or she is not, and will not become during the term of the mediation, an employee, partner, executive officer, director, or security holder of ICANN or Registry Operator. If such confirmation is not provided by the appointed mediator, then a replacement mediator shall be appointed pursuant to this Section 5.1(a).

(b) The mediator shall conduct the mediation in accordance with the rules and procedures that he or she determines following consultation with the parties. The parties shall discuss the dispute in good faith and attempt, with the mediator's assistance, to reach an amicable resolution of the dispute. The mediation shall be treated as a settlement discussion and shall therefore be confidential and may not be used against either party in any later proceeding relating to the dispute, including any arbitration pursuant to Section 5.2. The mediator may not testify for either party in any later proceeding relating to the dispute.

(c) Each party shall bear its own costs in the mediation. The parties shall share equally the fees and expenses of the mediator. Each party shall treat information received from the other party pursuant to the mediation that is appropriately marked as confidential (as required by Section 7.15) as Confidential Information of such other party in accordance with Section 7.15.

(d) If the parties have engaged in good faith participation in the mediation but have not resolved the dispute for any reason, either party or the mediator may terminate the mediation at any time and the dispute can then proceed to arbitration pursuant to Section 5.2 below. If the parties have not resolved the dispute for any reason by the date that is ~~ninety~~sixty (~~90~~60) calendar days following the date of the notice

delivered pursuant to Section 5.1(a), the mediation shall automatically terminate (unless extended by agreement of the parties) and the dispute can then proceed to arbitration pursuant to Section 5.2 below.

5.2 Arbitration. Disputes arising under or in connection with this Agreement that are not resolved pursuant to Section 5.1 (other than disputes arising under Section 4.3(h) which shall not be subject to the provisions of this Article 5), including requests for specific performance, will, if timely initiated in accordance with the provisions of this Agreement (including Section 4.3(a)), be resolved through binding arbitration conducted pursuant to the rules of the International Court of Arbitration of the International Chamber of Commerce (the “ICC”) and administered by the ICC. The arbitration shall be initiated pursuant to the rules of the ICC, including payment of the corresponding fees. The arbitration will be conducted in the English language and will occur in Los Angeles County, California. Any arbitration will be in front of a single arbitrator, unless (i) ICANN is seeking punitive or exemplary damages, or operational sanctions, (ii) the parties agree in writing to a greater number of arbitrators, or (iii) the dispute arises under Section 7.6 or 7.7. In the case of clauses (i), (ii) or (iii) in the preceding sentence, the arbitration will be in front of three arbitrators with each party nominating one arbitrator for confirmation by the ICC and the two selected arbitrators nominating the third arbitrator for confirmation by the ICC. For an arbitration in front of a sole arbitrator, Registry Operator and ICANN may, by mutual agreement, nominate the sole arbitrator for confirmation by the ICC. If the parties fail to nominate a sole arbitrator or, in the case of an arbitration in front of three arbitrators, either party fails to nominate an arbitrator, in each case within thirty (30) calendar days from the date when a party’s request for arbitration has been received by the other party, or within such additional time as may be allowed by the Secretariat of the Court of the ICC, the arbitrator(s) shall be appointed by the ICC. If any nominated arbitrator is not confirmed by the ICC, the party or persons that appointed such arbitrator shall promptly nominate a replacement arbitrator for confirmation by the ICC. In order to expedite the arbitration and limit its cost, the arbitrator(s) shall establish page limits for the parties’ filings in conjunction with the arbitration, and should the arbitrator(s) determine that a hearing is necessary, the hearing shall be limited to one (1) calendar day, provided that in any arbitration in which ICANN is seeking punitive or exemplary damages, or operational sanctions, the hearing may be extended for one (1) additional calendar day if agreed upon by the parties or ordered by the arbitrator(s) based on the arbitrator(s) independent determination or the reasonable request of one of the parties thereto. The prevailing party in the arbitration will have the right to recover its costs and reasonable attorneys’ fees, which the arbitrator(s) shall include in the awards. In the event the ~~arbitrators~~arbitrator(s) determine(s) that Registry Operator has been repeatedly and willfully in ~~fundamental and~~ material breach of its obligations set forth in Article 2, ~~Article 6~~ or Section 5.4 of this Agreement, ICANN may request the ~~arbitrators~~arbitrator(s) award(s) punitive or exemplary damages, or operational sanctions (including without limitation an order temporarily restricting Registry Operator’s right to sell new registrations). Each party shall treat information received from the other party pursuant to the arbitration that is appropriately marked as confidential (as required by Section 7.15) as Confidential Information of such other party in accordance with Section 7.15. In any litigation involving ICANN concerning this Agreement, jurisdiction and exclusive venue for

such litigation will be in a court located in Los Angeles County, California; however, the parties will also have the right to enforce a judgment of such a court in any court of competent jurisdiction. In the event Registry Operator initiates arbitration to contest the appropriateness of termination of this Agreement by ICANN pursuant to Section 4.3(a) and within the time limits provided by Section 4.3(a), the termination of this Agreement shall be stayed until the arbitration decision is rendered, except that the arbitrator(s) shall lift the stay upon either: (a) a showing by ICANN that continued operations of the TLD would be harmful to registrants or the public interest; or (b) a finding by the arbitrator(s) that Registry Operator is not participating in the arbitration in good faith, including due to failure(s) to make timely submissions pursuant to the rules of the arbitration or failure(s) to attend scheduled hearings before the arbitrator without good cause. If the arbitrator(s) lift(s) the stay, ICANN has the right to proceed with termination of this Agreement immediately.

[Alternative **Section 5.2 Arbitration** text for intergovernmental organizations or governmental entities or other special circumstances:

“Arbitration. Disputes arising under or in connection with this Agreement that are not resolved pursuant to Section 5.1 (other than disputes arising under Section 4.3(h) which shall not be subject to the provisions of this Article 5), including requests for specific performance, will, if timely initiated in accordance with the provisions of this Agreement (including Section 4.3(a)), be resolved through binding arbitration conducted pursuant to the rules of the International Court of Arbitration of the International Chamber of Commerce (the “ICC”) and administered by the ICC. The arbitration shall be initiated pursuant to the rules of the ICC, including payment of the corresponding fees. The arbitration will be conducted in the English language and will occur in Geneva, Switzerland, unless another location is mutually agreed upon by Registry Operator and ICANN. Any arbitration will be in front of a single arbitrator, unless (i) ICANN is seeking punitive or exemplary damages, or operational sanctions, (ii) the parties agree in writing to a greater number of arbitrators, or (iii) the dispute arises under Section 7.6 or 7.7. In the case of clauses (i), (ii) or (iii) in the preceding sentence, the arbitration will be in front of three arbitrators with each party nominating one arbitrator for confirmation by the ICC and the two selected arbitrators nominating the third arbitrator for confirmation by the ICC. For an arbitration in front of a sole arbitrator, Registry Operator and ICANN may, by mutual agreement, nominate the sole arbitrator for confirmation by the ICC. If the parties fail to nominate a sole arbitrator or, in the case of an arbitration in front of three arbitrators, either party fails to nominate an arbitrator, in each case within thirty (30) calendar days from the date when a party’s request for arbitration has been received by the other party, or within such additional time as may be allowed by the Secretariat of the Court of the ICC, the arbitrator(s) shall be appointed by the ICC. If any nominated arbitrator is not confirmed by the ICC, the party or persons that appointed such arbitrator shall promptly nominate a replacement arbitrator for confirmation by the ICC. In order to expedite the arbitration and limit its cost, the arbitrator(s) shall establish page limits for the parties’ filings in conjunction with the arbitration, and should the arbitrator(s) determine that a hearing is necessary, the hearing shall be limited to one (1) calendar day, provided that in any arbitration in which ICANN is seeking punitive or exemplary damages, or operational

sanctions, the hearing may be extended for one (1) additional calendar day if agreed upon by the parties or ordered by the arbitrator(s) based on the arbitrator(s) independent determination or the reasonable request of one of the parties thereto. The prevailing party in the arbitration will have the right to recover its costs and reasonable attorneys' fees, which the arbitrator(s) shall include in the awards. In the event the arbitrators determine that Registry Operator has been repeatedly and willfully in ~~fundamental and~~ material breach of its obligations set forth in Article 2, ~~Article 6~~ or Section 5.4 of this Agreement, ICANN may request the arbitrators award punitive or exemplary damages, or operational sanctions (including without limitation an order temporarily restricting Registry Operator's right to sell new registrations). Each party shall treat information received from the other party pursuant to the arbitration that is appropriately marked as confidential (as required by Section 7.15) as Confidential Information of such other party in accordance with Section 7.15. In any litigation involving ICANN concerning this Agreement, jurisdiction and exclusive venue for such litigation will be in a court located in Geneva, Switzerland, unless another location is mutually agreed upon by Registry Operator and ICANN; however, the parties will also have the right to enforce a judgment of such a court in any court of competent jurisdiction.⁴ In the event Registry Operator initiates arbitration to contest the appropriateness of termination of this Agreement by ICANN pursuant to Section 4.3(a) and within the time limits provided by Section 4.3(a), the termination of this Agreement shall be stayed until the arbitration decision is rendered, except that the arbitrator(s) shall lift the stay upon either: (a) a showing by ICANN that continued operations of the TLD would be harmful to registrants or the public interest; or (b) a finding by the arbitrator(s) that Registry Operator is not participating in the arbitration in good faith, including due to failure(s) to make timely submissions pursuant to the rules of the arbitration or failure(s) to attend scheduled hearings before the arbitrator without good cause. If the arbitrator(s) lift(s) the stay, ICANN has the right to proceed with termination of this Agreement immediately."]

5.3 Limitation of Liability. ICANN's aggregate monetary liability for violations of this Agreement will not exceed an amount equal to the Registry-Level Fees paid by Registry Operator to ICANN within the preceding twelve-month period pursuant to this Agreement (excluding the Variable Registry-Level Fee set forth in Section 6.3, if any). Registry Operator's aggregate monetary liability to ICANN for breaches of this Agreement will be limited to an amount equal to the fees paid to ICANN during the preceding twelve-month period (excluding the Variable Registry-Level Fee set forth in Section 6.3, if any), and punitive and exemplary damages, if any, awarded in accordance with Section 5.2, except with respect to Registry Operator's indemnification obligations pursuant to Section 7.1 and Section 7.2. In no event shall either party be liable for special, punitive, exemplary or consequential damages arising out of or in connection with this Agreement or the performance or nonperformance of obligations undertaken in this Agreement, except as provided in Section 5.2. Except as otherwise provided in this Agreement, neither party makes any warranty, express or implied, with respect to the services rendered by itself, its servants or agents, or the results obtained from their work, including, without limitation, any implied warranty of merchantability, non-infringement or fitness for a particular purpose.

5.4 Specific Performance. Registry Operator and ICANN agree that irreparable damage could occur if any of the provisions of this Agreement was not performed in accordance with its specific terms. Accordingly, the parties agree that they each shall be entitled to seek from the arbitrator or court of competent jurisdiction specific performance of the terms of this Agreement (in addition to any other remedy to which each party is entitled).

ARTICLE 6.

[FEES]

[Note to IRT: Please note that this Article 6 and related fees provisions are subject to further review and revision.]

6.1 Registry-Level Fees.

(a) Registry Operator shall pay ICANN a registry-level fee equal to (i) the registry fixed fee of US\$6,250 per calendar quarter and (ii) the registry-level transaction fee (collectively, the “Registry-Level Fees”). The registry-level transaction fee will be equal to the number of annual increments of an initial or renewal domain name registration (at one or more levels, and including renewals associated with transfers from one ~~ICANN-accredited~~ ICANN accredited registrar to another, each a “Transaction”), during the applicable calendar quarter multiplied by US\$0.25; provided, however that the registry-level transaction fee shall not apply until and unless more than 50,000 Transactions have occurred in the TLD during any calendar quarter or any consecutive four calendar quarter period in the aggregate (the “Transaction Threshold”) and shall apply to each Transaction that occurred during each quarter in which the Transaction Threshold has been met, but shall not apply to each quarter in which the Transaction Threshold has not been met. Registry Operator’s obligation to pay the quarterly registry-level fixed fee will begin on the date on which the TLD is delegated in the DNS to Registry Operator. The first quarterly payment of the registry-level fixed fee will be prorated based on the number of calendar days between the delegation date and the end of the calendar quarter in which the delegation date falls.

[Alternative Section 6.1(a) for Applicant Support Program TLDs:]**[Note to IRT: Section to be added.]**

(b) Subject to Section 6.1(a), Registry Operator shall pay the Registry-Level Fees on a quarterly basis to an account designated by ICANN within thirty (30) calendar days following the date of the invoice provided by ICANN.

6.2 Cost Recovery for RSTEP. Requests by Registry Operator for the approval of Additional Services pursuant to Section 2.1 may be referred by ICANN to the Registry Services Technical Evaluation Panel (“RSTEP”) pursuant to that process at <https://www.icann.org/rsep>. In the event that such requests are referred to RSTEP, Registry Operator shall remit to ICANN the invoiced cost of the RSTEP review within fourteen (14) calendar days of receipt of a copy of the RSTEP invoice from ICANN, unless

ICANN determines, in its sole and absolute discretion, to pay all or any portion of the invoiced cost of such RSTEP review.

6.3 Variable Registry-Level Fee.

(a) If the ICANN accredited registrars (accounting, in the aggregate, for payment of two-thirds of all registrar-level fees (or such portion of ICANN accredited registrars necessary to approve variable accreditation fees under the then-current registrar accreditation agreement), do not approve, pursuant to the terms of their registrar accreditation agreements with ICANN, the variable accreditation fees established by the ICANN Board of Directors for any ICANN fiscal year, upon delivery of notice from ICANN, Registry Operator shall pay to ICANN a variable registry-level fee, which shall be paid on a fiscal quarter basis, and shall accrue as of the beginning of the first fiscal quarter of such ICANN fiscal year (the “Variable Registry-Level Fee”). The fee will be calculated and invoiced by ICANN on a quarterly basis, and shall be paid by Registry Operator within sixty (60) calendar days with respect to the first quarter of such ICANN fiscal year and within twenty (20) calendar days with respect to each remaining quarter of such ICANN fiscal year, of receipt of the invoiced amount by ICANN. The Registry Operator may invoice and collect the Variable Registry-Level Fees from the registrars that are party to a Registry-Registrar Agreement with Registry Operator (which agreement may specifically provide for the reimbursement of Variable Registry-Level Fees paid by Registry Operator pursuant to this Section 6.3); provided, that the fees shall be invoiced to all ICANN accredited registrars if invoiced to any. The Variable Registry-Level Fee, if collectible by ICANN, shall be an obligation of Registry Operator and shall be due and payable as provided in this Section 6.3 irrespective of Registry Operator’s ability to seek and obtain reimbursement of such fee from registrars. In the event ICANN later collects variable accreditation fees for which Registry Operator has paid ICANN a Variable Registry-Level Fee, ICANN shall reimburse the Registry Operator an appropriate amount of the Variable Registry-Level Fee, as reasonably determined by ICANN. If the ICANN accredited registrars (as a group) do approve, pursuant to the terms of their registrar accreditation agreements with ICANN, the variable accreditation fees established by the ICANN Board of Directors for a fiscal year, ICANN shall not be entitled to a Variable-Level Fee hereunder for such fiscal year, irrespective of whether the ICANN accredited registrars comply with their payment obligations to ICANN during such fiscal year.

(b) The amount of the Variable Registry-Level Fee will be specified for each registrar, and may include both a per-registrar component and a transactional component. The per-registrar component of the Variable Registry-Level Fee shall be specified by ICANN in accordance with the budget adopted by the ICANN Board of Directors for each ICANN fiscal year. The transactional component of the Variable Registry-Level Fee shall be specified by ICANN in accordance with the budget adopted by the ICANN Board of Directors for each ICANN fiscal year but shall not exceed US\$0.25 per domain name registration (including renewals associated with transfers from one ICANN accredited registrar to another) per year.

6.4 Pass Through Fees. Registry Operator shall pay to ICANN (i) a one-time fee equal to US\$[5,000] for access to and use of the Trademark Clearinghouse as described in Specification 7 (the “RPM Access Fee”) and (ii) US\$0.25 per Sunrise Registration and Claims Registration (as such terms are used in Trademark Clearinghouse RPMs incorporated herein pursuant to Specification 7) (the “RPM Registration Fee”). The RPM Access Fee will be invoiced as of the Effective Date of this Agreement, and Registry Operator shall pay such fee to an account specified by ICANN within thirty (30) calendar days following the date of the invoice. ICANN will invoice Registry Operator quarterly for the RPM Registration Fee, which shall be due in accordance with the invoicing and payment procedure specified in Section 6.1.

6.5 Adjustments to Fees. Notwithstanding any of the fee limitations set forth in this Article 6, commencing upon the expiration of the first year of this Agreement, and upon the expiration of each year thereafter during the Term, the then-current fees set forth in Section 6.1 and Section 6.3 may be adjusted, at ICANN’s discretion, by a percentage equal to the percentage change, if any, in (i) the Consumer Price Index for All Urban Consumers, U.S. City Average (1982-1984 = 100) published by the United States Department of Labor, Bureau of Labor Statistics, or any successor index (the “CPI”) for the month which is one (1) month prior to the commencement of the applicable year, over (ii) the CPI published for the month which is one (1) month prior to the commencement of the immediately prior year. In the event of any such increase, ICANN shall provide notice to Registry Operator specifying the amount of such adjustment. Any fee adjustment under this Section 6.5 shall be effective as of the first day of the first calendar quarter following at least thirty (30) days after ICANN’s delivery to Registry Operator of such fee adjustment notice.

6.6 Additional Fee on Late Payments. For any payments thirty (30) calendar days or more overdue under this Agreement, Registry Operator shall pay an additional fee on late payments at the rate of 1.5% per month or, if less, the maximum rate permitted by applicable law.

6.7 Fee Reduction Waiver. In ICANN’s sole discretion, ICANN may reduce the amount of registry fees payable hereunder by Registry Operator for any period of time (“Fee Reduction Waiver”). Any such Fee Reduction Waiver may, as determined by ICANN in its sole discretion, be (a) limited in duration and (b) conditioned upon Registry Operator’s acceptance of the terms and conditions set forth in such waiver. A Fee Reduction Waiver shall not be effective unless executed in writing by ICANN as contemplated by Section 7.6(i). ICANN will provide notice of any Fee Reduction Waiver to Registry Operator in accordance with Section 7.9.

ARTICLE 7.

MISCELLANEOUS

7.1 Indemnification of ICANN.

(a) Registry Operator shall indemnify and defend ICANN and its directors, officers, employees, and agents (collectively, “Indemnitees”) from and against any and all third-party claims, damages, liabilities, costs, and expenses, including reasonable legal fees and expenses, arising out of or relating to intellectual property ownership rights with respect to the TLD, the delegation of the TLD to Registry Operator, Registry Operator’s operation of the registry for the TLD or Registry Operator’s provision of Registry Services, provided that Registry Operator shall not be obligated to indemnify or defend any Indemnitee to the extent the claim, damage, liability, cost or expense arose: (i) due to the actions or omissions of ICANN, its subcontractors, panelists or evaluators specifically related to and occurring during the registry TLD application process (other than actions or omissions requested by or for the benefit of Registry Operator), or (ii) due to a breach by ICANN of any obligation contained in this Agreement or any willful misconduct by ICANN. This Section shall not be deemed to require Registry Operator to reimburse or otherwise indemnify ICANN for costs associated with the negotiation or execution of this Agreement, or with monitoring or management of the parties’ respective obligations hereunder. Further, this Section shall not apply to any request for attorney’s fees in connection with any litigation or arbitration between or among the parties, which shall be governed by Article 5 or otherwise awarded by a court of competent jurisdiction or arbitrator.

[Alternative **Section 7.1(a)** text for intergovernmental organizations or governmental entities:

“Registry Operator shall use its best efforts to cooperate with ICANN in order to ensure that ICANN does not incur any costs associated with claims, damages, liabilities, costs and expenses, including reasonable legal fees and expenses, arising out of or relating to intellectual property ownership rights with respect to the TLD, the delegation of the TLD to Registry Operator, Registry Operator’s operation of the registry for the TLD or Registry Operator’s provision of Registry Services, provided that Registry Operator shall not be obligated to provide such cooperation to the extent the claim, damage, liability, cost or expense arose due to a breach by ICANN of any of its obligations contained in this Agreement or any willful misconduct by ICANN. This Section shall not be deemed to require Registry Operator to reimburse or otherwise indemnify ICANN for costs associated with the negotiation or execution of this Agreement, or with monitoring or management of the parties’ respective obligations hereunder. Further, this Section shall not apply to any request for attorney’s fees in connection with any litigation or arbitration between or among the parties, which shall be governed by Article 5 or otherwise awarded by a court of competent jurisdiction or arbitrator.”]

(b) For any claims by ICANN for indemnification whereby multiple registry operators (including Registry Operator) have engaged in the same actions or omissions that gave rise to the claim, Registry Operator’s aggregate liability to indemnify ICANN with respect to such claim shall be limited to a percentage of ICANN’s total claim, calculated by dividing the number of total domain names under registration with Registry Operator within the TLD (which names under registration shall be calculated consistently with Article 6 hereof for any applicable quarter) by the total number of domain names under registration within all top level domains for which the registry operators thereof are

engaging in the same acts or omissions giving rise to such claim. For the purposes of reducing Registry Operator's liability under Section 7.1(a) pursuant to this Section 7.1(b), Registry Operator shall have the burden of identifying the other registry operators that are engaged in the same actions or omissions that gave rise to the claim, and demonstrating, to ICANN's reasonable satisfaction, such other registry operators' culpability for such actions or omissions. For the avoidance of doubt, in the event that a registry operator is engaged in the same acts or omissions giving rise to the claims, but such registry operator(s) do not have the same or similar indemnification obligations to ICANN as set forth in Section 7.1(a) above, the number of domains under management by such registry operator(s) shall nonetheless be included in the calculation in the preceding sentence. [**Note: This Section 7.1(b) is inapplicable to intergovernmental organizations or governmental entities.**]

7.2 Indemnification Procedures. If any third-party claim is commenced that is indemnified under Section 7.1 above, ICANN shall provide notice thereof to Registry Operator as promptly as practicable. Registry Operator shall be entitled, if it so elects, in a notice promptly delivered to ICANN, to immediately take control of the defense and investigation of such claim and to employ and engage attorneys reasonably acceptable to ICANN to handle and defend the same, at Registry Operator's sole cost and expense, provided that in all events ICANN will be entitled to control at its sole cost and expense the litigation of issues concerning the validity or interpretation of ICANN's policies, Bylaws or conduct. ICANN shall cooperate, at Registry Operator's cost and expense, in all reasonable respects with Registry Operator and its attorneys in the investigation, trial, and defense of such claim and any appeal arising therefrom, and may, at its own cost and expense, participate, through its attorneys or otherwise, in such investigation, trial and defense of such claim and any appeal arising therefrom. No settlement of a claim that involves a remedy affecting ICANN other than the payment of money in an amount that is fully indemnified by Registry Operator will be entered into without the consent of ICANN. If Registry Operator does not assume full control over the defense of a claim subject to such defense in accordance with this Section 7.2, ICANN will have the right to defend the claim in such manner as it may deem appropriate, at the cost and expense of Registry Operator and Registry Operator shall cooperate in such defense. [**Note: This Section 7.2 is inapplicable to intergovernmental organizations or governmental entities.**]

7.3 Defined Terms. For purposes of this Agreement, unless such definitions are amended pursuant to a Consensus Policy at a future date, in which case the following definitions shall be deemed amended and restated in their entirety as set forth in such Consensus Policy, Security and Stability shall be defined as follows:

(a) For the purposes of this Agreement, an effect on "Security" shall mean (1) the unauthorized disclosure, alteration, insertion or destruction of registry data, or (2) the unauthorized access to or disclosure of information or resources on the Internet by systems operating in accordance with all applicable standards.

(b) For purposes of this Agreement, an effect on "Stability" shall refer to (1) lack of compliance with applicable relevant standards that are authoritative and published by a well-established and recognized Internet standards body, such as the

relevant Standards-Track or Best Current Practice Requests for Comments (“RFCs”) sponsored by the Internet Engineering Task Force; or (2) the creation of a condition that adversely affects the throughput, response time, consistency or coherence of responses to Internet servers or end systems operating in accordance with applicable relevant standards that are authoritative and published by a well-established and recognized Internet standards body, such as the relevant Standards-Track or Best Current Practice RFCs, and relying on Registry Operator’s delegated information or provisioning of services.

7.4 No Offset. All payments due under this Agreement will be made in a timely manner throughout the Term and notwithstanding the pendency of any dispute (monetary or otherwise) between Registry Operator and ICANN.

7.5 Change of Control; Assignment and Subcontracting. Except as set forth in this Section 7.5, neither party may assign any of its rights and obligations under this Agreement without the prior written approval of the other party, which approval will not be unreasonably withheld. For purposes of this Section 7.5, a direct or indirect change of control of Registry Operator or any subcontracting arrangement that relates to any Critical Function (as identified in Section 6 of Specification 10) for the TLD (a “Material Subcontracting Arrangement”) shall be deemed an assignment.

(a) Registry Operator must provide no less than thirty (30) calendar days advance notice to ICANN of any assignment or Material Subcontracting Arrangement, and any agreement to assign or subcontract any portion of the operations of the TLD (whether or not a Material Subcontracting Arrangement) must mandate compliance with all covenants, obligations and agreements by Registry Operator hereunder, and Registry Operator shall continue to be bound by such covenants, obligations and agreements. Registry Operator must also provide no less than thirty (30) calendar days advance notice to ICANN prior to the consummation of any transaction anticipated to result in a direct or indirect change of control of Registry Operator.

(b) Within thirty (30) calendar days of either such notification pursuant to Section 7.5(a), ICANN may request additional information from Registry Operator establishing (i) compliance with this Agreement and (ii) that the party acquiring such control or entering into such assignment or Material Subcontracting Arrangement (in any case, the “Contracting Party”) and the ultimate parent entity of the Contracting Party meets the ICANN-adopted specification or policy on registry operator criteria then in effect (including with respect to financial resources and operational and technical capabilities), in which case Registry Operator must supply the requested information within fifteen (15) calendar days.

(c) Registry Operator agrees that ICANN’s consent to any assignment, change of control or Material Subcontracting Arrangement will also be subject to background checks on any proposed Contracting Party (and such Contracting Party’s Affiliates).

(d) If ICANN fails to expressly provide or withhold its consent to any assignment, direct or indirect change of control of Registry Operator or any Material Subcontracting Arrangement within thirty (30) calendar days of ICANN's receipt of notice of such transaction (or, if ICANN has requested additional information from Registry Operator as set forth above, thirty (30) calendar days of the receipt of all requested written information regarding such transaction) from Registry Operator, ICANN shall be deemed to have consented to such transaction.

(e) In connection with any such assignment, change of control or Material Subcontracting Arrangement, Registry Operator shall comply with the Registry Transition Process.

(f) Notwithstanding anything in this Section 7.5 to the foregoing contrary, (i) any consummated change of control shall not be voidable by ICANN; provided, however, that, if ICANN reasonably determines to withhold its consent to such transaction, at any time following consummation of such transaction, ICANN may, upon notice to Registry Operator, terminate this Agreement ~~pursuant to Section 4.3(g)~~, (ii) ICANN may assign this Agreement without the consent of Registry Operator upon approval of the ICANN Board of Directors in conjunction with a reorganization, reconstitution or re-incorporation of ICANN upon such assignee's express assumption of the terms and conditions of this Agreement, (iii) Registry Operator may assign this Agreement without the consent of ICANN directly to an Affiliated Assignee, as that term is defined herein below, upon such Affiliated Assignee's express written assumption of the terms and conditions of this Agreement, and (iv) ICANN shall be deemed to have consented to any assignment, Material Subcontracting Arrangement or change of control transaction in which the Contracting Party is an existing operator of a generic top-level domain pursuant to a registry agreement between such Contracting Party and ICANN (provided that such Contracting Party is then in compliance with the terms and conditions of such registry agreement in all material respects), unless ICANN provides to Registry Operator a written objection to such transaction within ten (10) calendar days of ICANN's receipt of notice of such transaction pursuant to this Section 7.5. Notwithstanding Section 7.5(a), in the event an assignment is made pursuant to clauses (ii) or (iii) of this Section 7.5(f), the assigning party will provide the other party with prompt notice following any such assignment. For the purposes of this Section 7.5(f), (A) "Affiliated Assignee" means a person or entity that, directly or indirectly, through one or more intermediaries, controls, is controlled by, or is under common control with, the person or entity specified, and (B) "control" (including the terms "controlled by" and "under common control with") shall have the same meaning specified in Section 2.9(c) of this Agreement.

(g) [Note: For Applicant Support Program TLDs Only] Notwithstanding anything in this Section 7.5 to the contrary:

(i) During the period commencing on the Effective Date and terminating on the three (3) year anniversary of the Effective Date (the "First Transfer Period"), no assignment by Registry Operator of any of its rights and obligations under this Agreement or consummation of any transaction

anticipated to result in a direct or indirect change of control of Registry Operator shall be permitted unless ICANN determines, in its sole discretion, that such assignment or change of control results from the occurrence of one or more of the following (each, an “ASP Assignment Condition”): (A) Registry Operator is unable to meet its financial obligations with respect to the TLD and Registry Operator has been unable to secure financing or restructuring operations to carry out its operations with respect to the TLD, (B) the death or retirement of a majority shareholder of the Registry Operator, (C) a transition contemplated under Section 2.13 of this Agreement, (D) a request by Registry Operator to assign this Agreement to an Affiliated Assignee or (E) a requirement or demand by local competition authorities. ICANN shall expressly provide or withhold its consent to any assignment or direct or indirect change of control of Registry Operator within thirty (30) calendar days of ICANN’s receipt of notice of such transaction (or, if ICANN has requested additional information from Registry Operator as set forth herein, thirty (30) calendar days of the receipt of all requested written information regarding such transaction) from Registry Operator. ICANN may request additional information from Registry Operator pursuant to Section 7.5(b) and any additional information as may be reasonably requested. Registry Operator agrees to provide all additional information requested by ICANN, within fifteen (15) calendar days of such written request. Any such assignment or change of control approved by ICANN pursuant to this Section 7.5(g)(i) shall be referred to as an “ASP Assignment”. The provisions of this Section 7.5(g)(i) through (iii) shall not apply to any Material Subcontracting Arrangement, the approval of which shall remain subject to the other provisions of Section 7.5. Sections 7.5(f)(iii) and (iv) shall not apply to any request made pursuant to this Section 7.5(g)(i) through (iii).

(ii) During the period commencing on the first day following the conclusion of the First Transfer Period and terminating on the seventh anniversary of the Effective Date (the “Second Transfer Period”), the provisions of Section 7.5 shall apply to any assignment by Registry Operator of any of its rights and obligations under this Agreement and any direct or indirect change of control of Registry Operator; provided, however, that Registry Operator may request that such assignment or change of control be considered an ASP Assignment by ICANN. For the avoidance of doubt, if Registry Operator seeks approval of an assignment or change of control as an ASP Assignment, the approval of such request shall only be given if ICANN, in its sole discretion, determines that such request results from the occurrence of an ASP Assignment Condition.

(iii) If ICANN approves any assignment by Registry Operator of any of its rights and obligations under this Agreement or any direct or indirect change of control of Registry Operator during the Second Transfer Period which is not considered an ASP Assignment, the consummation of such assignment or change of control shall be conditioned upon payment by

Registry Operator to ICANN of an amount in U.S. dollars equal to the sum of (a) all applicant support amounts applied through the Applicant Support Program (collectively, the “Applicant Support Amount”) plus (b) an amount equal to ten percent (10%) of the Applicant Support Amount (collectively, the “Assignment Fee”).

(iv) Following conclusion of the Second Transfer Period, any assignment by Registry Operator of any of its rights and obligations under this Agreement and any direct or indirect change of control of Registry Operator shall be subject to the provisions of Sections 7.5(a) through (f) of this Agreement.

7.6 Amendments and Waivers.

(a) If the ICANN Board of Directors determines that an amendment to this Agreement (including to the Specifications referred to herein) and all other registry agreements between ICANN and the Applicable Registry Operators (the “Applicable Registry Agreements”) is desirable (each, a “Special Amendment”), ICANN may adopt a Special Amendment pursuant to the requirements of and process set forth in this Section 7.6; provided that a Special Amendment may not be a Restricted Amendment.

(b) Prior to submitting a Special Amendment for Registry Operator Approval, ICANN shall first consult in good faith with the Working Group regarding the form and substance of such Special Amendment. The duration of such consultation shall be reasonably determined by ICANN based on the substance of the Special Amendment. Following such consultation, ICANN may propose the adoption of a Special Amendment by publicly posting such amendment on its website for no less than thirty (30) calendar days (the “Posting Period”) and providing notice of such proposed amendment to the Applicable Registry Operators in accordance with Section 7.9. ICANN will consider the public comments submitted on a Special Amendment during the Posting Period (including comments submitted by the Applicable Registry Operators).

(c) If, within one hundred eighty (180) calendar days following the expiration of the Posting Period (the “Approval Period”), the ICANN Board of Directors approves a Special Amendment (which may be in a form different than submitted for public comment, but must address the subject matter of the Special Amendment posted for public comment, as modified to reflect and/or address input from the Working Group and public comments), ICANN shall provide notice of, and submit, such Special Amendment for approval or disapproval by the Applicable Registry Operators. If, during the sixty (60) calendar day period following the date ICANN provides such notice to the Applicable Registry Operators, such Special Amendment receives Registry Operator Approval, such Special Amendment shall be deemed approved (an “Approved Amendment”) by the Applicable Registry Operators, and shall be effective and deemed an amendment to this Agreement on the date that is sixty (60) calendar days following the date ICANN provided notice of the approval of such Approved Amendment to Registry Operator (the “Amendment Effective Date”). In the event that a Special Amendment does not receive

Registry Operator Approval, the Special Amendment shall be deemed not approved by the Applicable Registry Operators (a “Rejected Amendment”). A Rejected Amendment will have no effect on the terms and conditions of this Agreement, except as set forth below.

(d) If the ICANN Board of Directors reasonably determines that a Rejected Amendment falls within the subject matter categories set forth in Section 1.2 of Specification 1, the ICANN Board of Directors may adopt a resolution (the date such resolution is adopted is referred to herein as the “Resolution Adoption Date”) requesting an Issue Report (as such term is defined in ICANN’s Bylaws) by the Generic Names Supporting Organization (the “GNSO”) regarding the substance of such Rejected Amendment. The policy development process undertaken by the GNSO pursuant to such requested Issue Report is referred to herein as a “PDP.” If such PDP results in a Final Report supported by a GNSO Supermajority (as defined in ICANN’s Bylaws) that either (i) recommends adoption of the Rejected Amendment as Consensus Policy or (ii) recommends against adoption of the Rejected Amendment as Consensus Policy, and, in the case of (i) above, the Board adopts such Consensus Policy, Registry Operator shall comply with its obligations pursuant to Section 2.2 of this Agreement. In either case, ICANN will abandon the Rejected Amendment and it will have no effect on the terms and conditions of this Agreement. Notwithstanding the foregoing provisions of this Section 7.6(d), the ICANN Board of Directors shall not be required to initiate a PDP with respect to a Rejected Amendment if, at any time in the twelve (12) month period preceding the submission of such Rejected Amendment for Registry Operator Approval pursuant to Section 7.6(c), the subject matter of such Rejected Amendment was the subject of a concluded or otherwise abandoned or terminated PDP that did not result in a GNSO Supermajority recommendation.

(e) If (a) a Rejected Amendment does not fall within the subject matter categories set forth in Section 1.2 of Specification 1, (b) the subject matter of a Rejected Amendment was, at any time in the twelve (12) month period preceding the submission of such Rejected Amendment for Registry Operator Approval pursuant to Section 7.6(c), the subject of a concluded or otherwise abandoned or terminated PDP that did not result in a GNSO Supermajority recommendation, or (c) a PDP does not result in a Final Report supported by a GNSO Supermajority that either (A) recommends adoption of the Rejected Amendment as Consensus Policy or (B) recommends against adoption of the Rejected Amendment as Consensus Policy (or such PDP has otherwise been abandoned or terminated for any reason), then, in any such case, such Rejected Amendment may still be adopted and become effective in the manner described below. In order for the Rejected Amendment to be adopted, the following requirements must be satisfied:

(i) the subject matter of the Rejected Amendment must be within the scope of ICANN’s mission and consistent with a balanced application of its core values (as described in ICANN’s Bylaws);

(ii) the Rejected Amendment must be justified by a Substantial and Compelling Reason in the Public Interest, must be likely to promote such interest, taking into account competing public and private interests that are likely to be affected by the Rejected Amendment, and must be narrowly

tailored and no broader than reasonably necessary to address such Substantial and Compelling Reason in the Public Interest;

(iii) to the extent the Rejected Amendment prohibits or requires conduct or activities, imposes material costs on the Applicable Registry Operators, and/or materially reduces public access to domain name services, the Rejected Amendment must be the least restrictive means reasonably available to address the Substantial and Compelling Reason in the Public Interest;

(iv) the ICANN Board of Directors must submit the Rejected Amendment, along with a written explanation of the reasoning related to its determination that the Rejected Amendment meets the requirements set out in subclauses (i) through (iii) above, for public comment for a period of no less than thirty (30) calendar days; and

(v) following such public comment period, the ICANN Board of Directors must (a) engage in consultation (or direct ICANN management to engage in consultation) with the Working Group, subject matter experts, members of the GNSO, relevant advisory committees and other interested stakeholders with respect to such Rejected Amendment for a period of no less than sixty (60) calendar days; and (b) following such consultation, reapprove the Rejected Amendment (which may be in a form different than submitted for Registry Operator Approval, but must address the subject matter of the Rejected Amendment, as modified to reflect and/or address input from the Working Group and public comments) by the affirmative vote of at least two-thirds of the members of the ICANN Board of Directors eligible to vote on such matter, taking into account any ICANN policy affecting such eligibility, including ICANN's Conflict of Interest Policy (a "Board Amendment").

Such Board Amendment shall, subject to Section 7.6(f), be deemed an Approved Amendment, and shall be effective and deemed an amendment to this Agreement on the date that is sixty (60) calendar days following the date ICANN provided notice of the approval of such Board Amendment to Registry Operator (which effective date shall be deemed the Amendment Effective Date hereunder). Notwithstanding the foregoing, a Board Amendment may not amend the registry fees charged by ICANN hereunder, or amend this Section 7.6.

(f) Notwithstanding the provisions of Section 7.6(e), a Board Amendment shall not be deemed an Approved Amendment if, during the thirty (30) calendar day period following the approval by the ICANN Board of Directors of the Board Amendment, the Working Group, on the behalf of the Applicable Registry Operators, submits to the ICANN Board of Directors an alternative to the Board Amendment (an "Alternative Amendment") that meets the following requirements:

- (i) sets forth the precise text proposed by the Working Group to amend this Agreement in lieu of the Board Amendment;
- (ii) addresses the Substantial and Compelling Reason in the Public Interest identified by the ICANN Board of Directors as the justification for the Board Amendment; and
- (iii) compared to the Board Amendment is: (a) more narrowly tailored to address such Substantial and Compelling Reason in the Public Interest, and (b) to the extent the Alternative Amendment prohibits or requires conduct or activities, imposes material costs on Affected Registry Operators, or materially reduces access to domain name services, is a less restrictive means to address the Substantial and Compelling Reason in the Public Interest.

Any proposed amendment that does not meet the requirements of subclauses (i) through (iii) in the immediately preceding sentence shall not be considered an Alternative Amendment hereunder and therefore shall not supersede or delay the effectiveness of the Board Amendment. If, following the submission of the Alternative Amendment to the ICANN Board of Directors, the Alternative Amendment receives Registry Operator Approval, the Alternative Amendment shall supersede the Board Amendment and shall be deemed an Approved Amendment hereunder (and shall be effective and deemed an amendment to this Agreement on the date that is sixty (60) calendar days following the date ICANN provided notice of the approval of such Alternative Amendment to Registry Operator, which effective date shall be deemed the Amendment Effective Date hereunder), unless, within a period of sixty (60) calendar days following the date that the Working Group notifies the ICANN Board of Directors of Registry Operator Approval of such Alternative Amendment (during which time ICANN shall engage with the Working Group with respect to the Alternative Amendment), the ICANN Board of Directors by the affirmative vote of at least two-thirds of the members of the ICANN Board of Directors eligible to vote on such matter, taking into account any ICANN policy affecting such eligibility, including ICANN's Conflict of Interest Policy, rejects the Alternative Amendment. If (A) the Alternative Amendment does not receive Registry Operator Approval within thirty (30) calendar days of submission of such Alternative Amendment to the Applicable Registry Operators (and the Working Group shall notify ICANN of the date of such submission), or (B) the ICANN Board of Directors rejects the Alternative Amendment by such two-thirds vote, the Board Amendment (and not the Alternative Amendment) shall be effective and deemed an amendment to this Agreement on the date that is sixty (60) calendar days following the date ICANN provided notice to Registry Operator (which effective date shall be deemed the Amendment Effective Date hereunder). If the ICANN Board of Directors rejects an Alternative Amendment, the board shall publish a written rationale setting forth its analysis of the criteria set forth in Sections 7.6(f)(i) through 7.6(f)(iii). The ability of the ICANN Board of Directors to reject an Alternative Amendment hereunder does not relieve the Board of the obligation to ensure that any Board Amendment meets the criteria set forth in Section 7.6(e)(i) through 7.6(e)(v).

(g) In the event that Registry Operator believes an Approved Amendment does not meet the substantive requirements set out in this Section 7.6 or has been adopted in contravention of any of the procedural provisions of this Section 7.6, Registry Operator may challenge the adoption of such Special Amendment pursuant to the dispute resolution provisions set forth in Article 5, except that such arbitration shall be conducted by a three-person arbitration panel. Any such challenge must be brought within sixty (60) calendar days following the date ICANN provided notice to Registry Operator of the Approved Amendment, and ICANN may consolidate all challenges brought by registry operators (including Registry Operator) into a single proceeding. The Approved Amendment will be deemed not to have amended this Agreement during the pendency of the dispute resolution process.

(h) Registry Operator may apply in writing to ICANN for an exemption from the Approved Amendment (each such request submitted by Registry Operator hereunder, an “Exemption Request”) during the thirty (30) calendar day period following the date ICANN provided notice to Registry Operator of such Approved Amendment. Each Exemption Request will set forth the basis for such request and provide detailed support for an exemption from the Approved Amendment. An Exemption Request may also include a detailed description and support for any alternatives to, or a variation of, the Approved Amendment proposed by such Registry Operator. An Exemption Request may only be granted upon a clear and convincing showing by Registry Operator that compliance with the Approved Amendment conflicts with applicable laws or would have a material adverse effect on the long-term financial condition or results of operations of Registry Operator. No Exemption Request will be granted if ICANN determines, in its reasonable discretion, that granting such Exemption Request would be materially harmful to registrants or result in the denial of a direct benefit to registrants. Within ninety (90) calendar days of ICANN’s receipt of an Exemption Request, ICANN shall either approve (which approval may be conditioned or consist of alternatives to or a variation of the Approved Amendment) or deny the Exemption Request in writing, during which time the Approved Amendment will not amend this Agreement. If the Exemption Request is approved by ICANN, the Approved Amendment will not amend this Agreement; provided, that any conditions, alternatives or variations of the Approved Amendment required by ICANN shall be effective and, to the extent applicable, will amend this Agreement as of the Amendment Effective Date. If such Exemption Request is denied by ICANN, the Approved Amendment will amend this Agreement as of the Amendment Effective Date (or, if such date has passed, such Approved Amendment shall be deemed effective immediately on the date of such denial), provided that Registry Operator may, within thirty (30) calendar days following receipt of ICANN’s determination, appeal ICANN’s decision to deny the Exemption Request pursuant to the dispute resolution procedures set forth in Article 5. The Approved Amendment will be deemed not to have amended this Agreement during the pendency of the dispute resolution process. For avoidance of doubt, only Exemption Requests submitted by Registry Operator that are approved by ICANN pursuant to this Section 7.6(jh), agreed to by ICANN following mediation pursuant to Section 5.1 or through an arbitration decision pursuant to Section 5.2 shall exempt Registry Operator from any Approved Amendment, and no Exemption Request granted to any other Applicable Registry Operator (whether by

ICANN or through arbitration) shall have any effect under this Agreement or exempt Registry Operator from any Approved Amendment.

(i) Except as set forth in this Section 7.6, Section 7.7 and as otherwise set forth in this Agreement and the Specifications hereto, no amendment, supplement or modification of this Agreement or any provision hereof shall be binding unless executed in writing by both parties, and nothing in this Section 7.6 or Section 7.7 shall restrict ICANN and Registry Operator from entering into bilateral amendments and modifications to this Agreement negotiated solely between the two parties. No waiver of any provision of this Agreement shall be binding unless evidenced by a writing signed by the party waiving compliance with such provision. No waiver of any of the provisions of this Agreement or failure to enforce any of the provisions hereof shall be deemed or shall constitute a waiver of any other provision hereof, nor shall any such waiver constitute a continuing waiver unless otherwise expressly provided. For the avoidance of doubt, nothing in this Sections 7.6 or 7.7 shall be deemed to limit Registry Operator’s obligation to comply with Section 2.2.

(j) **[Note to IRT: Subject to further review and revision.]** For purposes of this Section 7.6, the following terms shall have the following meanings:

(i) “Applicable Registry Operators” means, collectively, the registry operators of top-level domains party to a registry agreement that contains a provision similar to this Section 7.6, including Registry Operator.

(ii) “Registry Operator Approval” means the receipt of each of the following: (A) the affirmative approval of the Applicable Registry Operators whose payments to ICANN accounted for two-thirds of the total amount of fees (converted to U.S. dollars, if applicable, at the prevailing exchange rate published the prior day in the U.S. Edition of the Wall Street Journal for the date such calculation is made by ICANN) paid to ICANN by all the Applicable Registry Operators during the immediately previous calendar year pursuant to the Applicable Registry Agreements, and (B) the affirmative approval of a majority of the Applicable Registry Operators at the time such approval is obtained. For the avoidance of doubt, with respect to clause (B), each Applicable Registry Operator shall have one vote for each top-level domain operated by such Registry Operator pursuant to an Applicable Registry Agreement.

(iii) “Restricted Amendment” means the following: (A) an amendment of Specification 1, (B) except to the extent addressed in Section 2.10 hereof, an amendment that specifies the price charged by Registry Operator to registrars for domain name registrations, (C) an amendment to the definition of Registry Services as set forth in the first paragraph of Section 2.1 of Specification 6, or (D) an amendment to the length of the Term.

(iv) “Substantial and Compelling Reason in the Public Interest” means a reason that is justified by an important, specific, and articulated public interest goal that is within ICANN's mission and consistent with a balanced application of ICANN's core values as defined in ICANN's Bylaws.

(v) “Working Group” means representatives of the Applicable Registry Operators and other members of the community that the Registry Stakeholders Group appoints, from time to time, to serve as a working group to consult on amendments to the Applicable Registry Agreements (excluding bilateral amendments pursuant to Section 7.6(i)).

(k) Notwithstanding anything in this Section 7.6 to the contrary, (i) if Registry Operator provides evidence to ICANN's reasonable satisfaction that the Approved Amendment would materially increase the cost of providing Registry Services, then ICANN will allow up to one-hundred eighty (180) calendar days for Approved Amendment to become effective with respect to Registry Operator, and (ii) no Approved Amendment adopted pursuant to Section 7.6 shall become effective with respect to Registry Operator if Registry Operator provides ICANN with an irrevocable notice of termination pursuant to Section 4.4(b).

7.7 [Negotiation Process.] [Note to IRT: Subject to further review and revision.]

(a) If either the Chief Executive Officer of ICANN (“CEO”) or the Chairperson of the Registry Stakeholder Group (“Chair”) desires to discuss any revision(s) to this Agreement, the CEO or Chair, as applicable, shall provide written notice to the other person, which shall set forth in reasonable detail the proposed revisions to this Agreement (a “Negotiation Notice”). Notwithstanding the foregoing, neither the CEO nor the Chair may (i) propose revisions to this Agreement that modify any Consensus Policy then existing, (ii) propose revisions to this Agreement pursuant to this Section 7.7 on or before June 30, 2014, or (iii) propose revisions or submit a Negotiation Notice more than once during any twelve (12) month period beginning on July 1, 2014.

(b) Following receipt of the Negotiation Notice by either the CEO or the Chair, ICANN and the Working Group (as defined in Section 7.6) shall consult in good faith negotiations regarding the form and substance of the proposed revisions to this Agreement, which shall be in the form of a proposed amendment to this Agreement (the “Proposed Revisions”), for a period of at least ninety (90) calendar days (unless a resolution is earlier reached) and attempt to reach a mutually acceptable agreement relating to the Proposed Revisions (the “Discussion Period”).

(c) If, following the conclusion of the Discussion Period, an agreement is reached on the Proposed Revisions, ICANN shall post the mutually agreed Proposed Revisions on its website for public comment for no less than thirty (30) calendar days (the “Posting Period”) and provide notice of such revisions to all Applicable Registry Operators in accordance with Section 7.9. ICANN and the Working Group will consider the public

comments submitted on the Proposed Revisions during the Posting Period (including comments submitted by the Applicable Registry Operators). Following the conclusion of the Posting Period, the Proposed Revisions shall be submitted for Registry Operator Approval (as defined in Section 7.6) and approval by the ICANN Board of Directors. If such approvals are obtained, the Proposed Revisions shall be deemed an Approved Amendment (as defined in Section 7.6) by the Applicable Registry Operators and ICANN, and shall be effective and deemed an amendment to this Agreement upon sixty (60) calendar days notice from ICANN to Registry Operator.

(d) If, following the conclusion of the Discussion Period, an agreement is not reached between ICANN and the Working Group on the Proposed Revisions, either the CEO or the Chair may provide the other person written notice (the “Mediation Notice”) requiring each party to attempt to resolve the disagreements related to the Proposed Revisions through impartial, facilitative (non-evaluative) mediation in accordance with the terms and conditions set forth below. In the event that a Mediation Notice is provided, ICANN and the Working Group shall, within fifteen (15) calendar days thereof, simultaneously post the text of their desired version of the Proposed Revisions and a position paper with respect thereto on ICANN’s website.

(i) The mediation shall be conducted by a single mediator selected by the parties. If the parties cannot agree on a mediator within fifteen (15) calendar days following receipt by the CEO or Chair, as applicable, of the Mediation Notice, the parties will promptly select a mutually acceptable mediation provider entity, which entity shall, as soon as practicable following such entity’s selection, designate a mediator, who is a licensed attorney with general knowledge of contract law, who has no ongoing business relationship with either party and, to the extent necessary to mediate the particular dispute, general knowledge of the domain name system. Any mediator must confirm in writing that he or she is not, and will not become during the term of the mediation, an employee, partner, executive officer, director, or security holder of ICANN or an Applicable Registry Operator. If such confirmation is not provided by the appointed mediator, then a replacement mediator shall be appointed pursuant to this Section 7.7(d)(i).

(ii) The mediator shall conduct the mediation in accordance with the rules and procedures for facilitative mediation that he or she determines following consultation with the parties. The parties shall discuss the dispute in good faith and attempt, with the mediator’s assistance, to reach an amicable resolution of the dispute.

(iii) Each party shall bear its own costs in the mediation. The parties shall share equally the fees and expenses of the mediator.

(iv) If an agreement is reached during the mediation, ICANN shall post the mutually agreed Proposed Revisions on its website for the Posting Period and provide notice to all Applicable Registry Operators in accordance

with Section 7.9. ICANN and the Working Group will consider the public comments submitted on the agreed Proposed Revisions during the Posting Period (including comments submitted by the Applicable Registry Operators). Following the conclusion of the Posting Period, the Proposed Revisions shall be submitted for Registry Operator Approval and approval by the ICANN Board of Directors. If such approvals are obtained, the Proposed Revisions shall be deemed an Approved Amendment (as defined in Section 7.6) by the Applicable Registry Operators and ICANN, and shall be effective and deemed an amendment to this Agreement upon sixty (60) calendar days notice from ICANN to Registry Operator.

(v) If the parties have not resolved the dispute for any reason by the date that is ninety (90) calendar days following receipt by the CEO or Chair, as applicable, of the Mediation Notice, the mediation shall automatically terminate (unless extended by agreement of the parties). The mediator shall deliver to the parties a definition of the issues that could be considered in future arbitration, if invoked. Those issues are subject to the limitations set forth in Section 7.7(e)(ii) below.

(e) If, following mediation, ICANN and the Working Group have not reached an agreement on the Proposed Revisions, either the CEO or the Chair may provide the other person written notice (an “Arbitration Notice”) requiring ICANN and the Applicable Registry Operators to resolve the dispute through binding arbitration in accordance with the arbitration provisions of Section 5.2, subject to the requirements and limitations of this Section 7.7(e).

(i) If an Arbitration Notice is sent, the mediator’s definition of issues, along with the Proposed Revisions (be those from ICANN, the Working Group or both) shall be posted for public comment on ICANN’s website for a period of no less than thirty (30) calendar days. ICANN and the Working Group will consider the public comments submitted on the Proposed Revisions during the Posting Period (including comments submitted by the Applicable Registry Operators), and information regarding such comments and consideration shall be provided to a three (3) person arbitrator panel. Each party may modify its Proposed Revisions before and after the Posting Period. The arbitration proceeding may not commence prior to the closing of such public comment period, and ICANN may consolidate all challenges brought by registry operators (including Registry Operator) into a single proceeding. Except as set forth in this Section 7.7, the arbitration shall be conducted pursuant to Section 5.2.

(ii) No dispute regarding the Proposed Revisions may be submitted for arbitration to the extent the subject matter of the Proposed Revisions (i) relates to Consensus Policy, (ii) falls within the subject matter categories set forth in Section 1.2 of Specification 1, or (iii) seeks to amend any of the following provisions or Specifications of this Agreement: Articles

1, 3 and 6; Sections 2.1, 2.2, 2.5, 2.7, 2.9, 2.10, 2.16, 2.17, 2.19, 4.1, 4.2, 7.3, 7.6, 7.7, 7.8, 7.10, 7.11, 7.12, 7.13, 7.14, 7.16; Section 2.8 and Specification 7 (but only to the extent such Proposed Revisions seek to implement an RPM not contemplated by Sections 2.8 and Specification 7); Exhibit A; and Specifications 1, 4, 6, 10 and 11.

(iii) The mediator will brief the arbitrator panel regarding ICANN and the Working Group's respective proposals relating to the Proposed Revisions.

(iv) No amendment to this Agreement relating to the Proposed Revisions may be submitted for arbitration by either the Working Group or ICANN, unless, in the case of the Working Group, the proposed amendment has received Registry Operator Approval and, in the case of ICANN, the proposed amendment has been approved by the ICANN Board of Directors.

(v) In order for the arbitrator panel to approve either ICANN or the Working Group's proposed amendment relating to the Proposed Revisions, the arbitrator panel must conclude that such proposed amendment is consistent with a balanced application of ICANN's core values (as described in ICANN's Bylaws) and reasonable in light of the balancing of the costs and benefits to the business interests of the Applicable Registry Operators and ICANN (as applicable), and the public benefit sought to be achieved by the Proposed Revisions as set forth in such amendment. If the arbitrator panel concludes that either ICANN or the Working Group's proposed amendment relating to the Proposed Revisions meets the foregoing standard, such amendment shall be effective and deemed an amendment to this Agreement upon sixty (60) calendar days notice from ICANN to Registry Operator and deemed an Approved Amendment hereunder.

(f) With respect to an Approved Amendment relating to an amendment proposed by ICANN, Registry may apply in writing to ICANN for an exemption from such amendment pursuant to the provisions of Section 7.6.

(g) Notwithstanding anything in this Section 7.7 to the contrary, (a) if Registry Operator provides evidence to ICANN's reasonable satisfaction that the Approved Amendment would materially increase the cost of providing Registry Services, then ICANN will allow up to one-hundred eighty (180) calendar days for the Approved Amendment to become effective with respect to Registry Operator, and (b) no Approved Amendment adopted pursuant to Section 7.7 shall become effective with respect to Registry Operator if Registry Operator provides ICANN with an irrevocable notice of termination pursuant to Section 4.4(b).

7.8 No Third-Party Beneficiaries. This Agreement will not be construed to create any obligation by either ICANN or Registry Operator to any non-party to this Agreement, including any registrar or registered name holder.

7.9 General Notices. Except for notices pursuant to Sections 7.6 and 7.7, all notices to be given under or in relation to this Agreement will be given either (i) in writing at the address of the appropriate party as set forth below ~~or unless that party has given a notice of change of postal address, as provided in this Agreement,~~ (ii) via electronic mail as provided below, unless that party has given a notice of change of ~~postal or~~ email address, as provided in this Agreement ~~or (iii) (only as it relates to notices from ICANN to Registry Operator until such time as ICANN notifies Registry Operator that it may receive notices from Registry Operator to ICANN) via the customer services portal at <https://portal.icann.org> to the Registry Operator’s primary contact, as may be updated from time to time.~~ All notices under Sections 7.6 and 7.7 shall be given by both posting of the applicable information on ICANN’s web site and transmission of such information to Registry Operator by electronic mail. Any change in the contact information for notice below will be given by the party within thirty (30) calendar days of such change. Other than notices under Sections 7.6 or 7.7, any notice required by this Agreement will be deemed to have been properly given (i) if in paper form, when delivered in person or via courier service with confirmation of receipt ~~or,~~ (ii) by electronic mail, upon confirmation of receipt by the recipient’s email server, provided that only as it relates to notices from Registry Operator to ICANN, such notice via electronic mail shall be followed by a copy sent by regular postal mail service within three (3) calendar days or (iii) via secure website, when notice is posted. Any notice required by Sections 7.6 or 7.7 will be deemed to have been given when electronically posted on ICANN’s website and upon confirmation of receipt by the email server. In the event other means of notice become practically achievable, such as notice via a secure website, the parties will work together to implement such notice means under this Agreement.

If to ICANN, addressed to:
Internet Corporation for Assigned Names and Numbers
12025 Waterfront Drive, Suite 300
Los Angeles, CA 90094-2536
USA
Telephone: +1-310-301-5800

Attention: President and CEO

With a Required Copy to: General Counsel
Email: ~~(As~~[\[globalsupport@icann.org or as specified from time to time.\]](mailto:globalsupport@icann.org)~~)~~

If to Registry Operator, addressed to:

[_____
[_____
[_____]

Telephone:
With a Required Copy to:
Email: (As specified from time to time.)

7.10 Entire Agreement. This Agreement (including those specifications and documents incorporated by reference to URL locations which form a part of it) constitutes the entire agreement of the parties hereto pertaining to the operation of the TLD and supersedes all prior agreements, understandings, negotiations and discussions, whether oral or written, between the parties on that subject.

7.11 English Language Controls. Notwithstanding any translated version of this Agreement and/or specifications that may be provided to Registry Operator, the English language version of this Agreement and all referenced specifications are the official versions that bind the parties hereto. In the event of any conflict or discrepancy between any translated version of this Agreement and the English language version, the English language version controls. Notices, designations, determinations, and specifications made under this Agreement shall be in the English language.

7.12 Ownership Rights. Nothing contained in this Agreement shall be construed as (a) establishing or granting to Registry Operator any property ownership rights or interests of Registry Operator in the TLD or the letters, words, symbols or other characters making up the TLD string, or (b) affecting any existing intellectual property or ownership rights of Registry Operator.

7.13 Severability; Conflicts with Laws. This Agreement shall be deemed severable; the invalidity or unenforceability of any term or provision of this Agreement shall not affect the validity or enforceability of the balance of this Agreement or of any other term hereof, which shall remain in full force and effect. If any of the provisions hereof are determined to be invalid or unenforceable, the parties shall negotiate in good faith to modify this Agreement so as to effect the original intent of the parties as closely as possible. ICANN and the Working Group will mutually cooperate to develop an ICANN procedure for ICANN's review and consideration of alleged conflicts between applicable laws and non-RDDS (as defined in Specification 4) related provisions of this Agreement. Until such procedure is developed and implemented by ICANN, ICANN will review and consider alleged conflicts between applicable laws and non-RDDS related provisions of this Agreement in a manner similar to ICANN's Procedure For Handling WHOIS Conflicts with Privacy Law.

7.14 Court Orders. ICANN will respect any order from a court of competent jurisdiction, including any orders from any jurisdiction where the consent or non-objection of the government was a requirement for the delegation of the TLD. Notwithstanding any other provision of this Agreement, ICANN's implementation of any such order will not be a breach of this Agreement.

7.15 Confidentiality

(a) Subject to Section 7.15(c), during the Term and for a period of three (3) years thereafter, each party shall, and shall cause its and its Affiliates' officers, directors, employees and agents to, keep confidential and not publish or otherwise disclose to any third party, directly or indirectly, any information that is, and the disclosing party has

marked as, or has otherwise designated in writing to the receiving party as, “confidential trade secret,” “confidential commercial information” or “confidential financial information” (collectively, “Confidential Information”), except to the extent such disclosure is permitted by the terms of this Agreement.

(b) The confidentiality obligations under Section 7.15(a) shall not apply to any Confidential Information that (i) is or hereafter becomes part of the public domain by public use, publication, general knowledge or the like through no fault of the receiving party in breach of this Agreement, (ii) can be demonstrated by documentation or other competent proof to have been in the receiving party’s possession prior to disclosure by the disclosing party without any obligation of confidentiality with respect to such information, (iii) is subsequently received by the receiving party from a third party who is not bound by any obligation of confidentiality with respect to such information, (iv) has been published by a third party or otherwise enters the public domain through no fault of the receiving party, or (v) can be demonstrated by documentation or other competent evidence to have been independently developed by or for the receiving party without reference to the disclosing party’s Confidential Information.

(c) Each party shall have the right to disclose Confidential Information to the extent that such disclosure is (i) made in response to a valid order of a court of competent jurisdiction or, if in the reasonable opinion of the receiving party’s legal counsel, such disclosure is otherwise required by applicable law; provided, however, that the receiving party shall first have given notice to the disclosing party and given the disclosing party a reasonable opportunity to quash such order or to obtain a protective order or confidential treatment order requiring that the Confidential Information that is the subject of such order or other applicable law be held in confidence by such court or other third party recipient, unless the receiving party is not permitted to provide such notice under such order or applicable law, or (ii) made by the receiving party or any of its Affiliates to its or their attorneys, auditors, advisors, consultants, contractors or other third parties for use by such person or entity as may be necessary or useful in connection with the performance of the activities under this Agreement, provided that such third party is bound by confidentiality obligations at least as stringent as those set forth herein, either by written agreement or through professional responsibility standards.

[Note: The following section is applicable to intergovernmental organizations or governmental entities only.]

7.16 Special Provision Relating to Intergovernmental Organizations or Governmental Entities.

(a) ICANN acknowledges that Registry Operator is an entity subject to public international law, including international treaties applicable to Registry Operator (such public international law and treaties, collectively hereinafter the “Applicable Laws”). Nothing in this Agreement and its related specifications shall be construed or interpreted to require Registry Operator to violate Applicable Laws or prevent compliance therewith.

The Parties agree that Registry Operator’s compliance with Applicable Laws shall not constitute a breach of this Agreement.

(b) In the event Registry Operator reasonably determines that any provision of this Agreement and its related specifications, or any decisions or policies of ICANN referred to in this Agreement, including but not limited to Temporary Policies and Consensus Policies (such provisions, specifications and policies, collectively hereinafter, “ICANN Requirements”), may conflict with or violate Applicable Law (hereinafter, a “Potential Conflict”), Registry Operator shall provide detailed notice (a “Notice”) of such Potential Conflict to ICANN as early as possible and, in the case of a Potential Conflict with a proposed Consensus Policy, no later than the end of any public comment period on such proposed Consensus Policy. In the event Registry Operator determines that there is Potential Conflict between a proposed Applicable Law and any ICANN Requirement, Registry Operator shall provide detailed Notice of such Potential Conflict to ICANN as early as possible and, in the case of a Potential Conflict with a proposed Consensus Policy, no later than the end of any public comment period on such proposed Consensus Policy.

(c) As soon as practicable following such review, the parties shall attempt to resolve the Potential Conflict by mediation pursuant to the procedures set forth in Section 5.1. In addition, Registry Operator shall use its best efforts to eliminate or minimize any impact arising from such Potential Conflict between Applicable Laws and any ICANN Requirement. If, following such mediation, Registry Operator determines that the Potential Conflict constitutes an actual conflict between any ICANN Requirement, on the one hand, and Applicable Laws, on the other hand, then ICANN shall waive compliance with such ICANN Requirement (provided that the parties shall negotiate in good faith on a continuous basis thereafter to mitigate or eliminate the effects of such noncompliance on ICANN), unless ICANN reasonably and objectively determines that the failure of Registry Operator to comply with such ICANN Requirement would constitute a threat to the Security and Stability of Registry Services, the Internet or the DNS (hereinafter, an “ICANN Determination”). Following receipt of notice by Registry Operator of such ICANN Determination, Registry Operator shall be afforded a period of ninety (90) calendar days to resolve such conflict with an Applicable Law. If the conflict with an Applicable Law is not resolved to ICANN’s complete satisfaction during such period, Registry Operator shall have the option to submit, within ten (10) calendar days thereafter, the matter to binding arbitration as defined in subsection (d) below. If during such period, Registry Operator does not submit the matter to arbitration pursuant to subsection (d) below, ICANN may, upon notice to Registry Operator, terminate this Agreement with immediate effect.

(d) If Registry Operator disagrees with an ICANN Determination, Registry Operator may submit the matter to binding arbitration pursuant to the provisions of Section 5.2, except that the sole issue presented to the arbitrator for determination will be whether or not ICANN reasonably and objectively reached the ICANN Determination. For the purposes of such arbitration, ICANN shall present evidence to the arbitrator supporting the ICANN Determination. If the arbitrator determines that ICANN did not reasonably and objectively reach the ICANN Determination, then ICANN shall waive Registry Operator’s compliance with the subject ICANN Requirement. If the arbitrators or pre-arbitral referee,

as applicable, determine that ICANN did reasonably and objectively reach the ICANN Determination, then, upon notice to Registry Operator, ICANN may terminate this Agreement with immediate effect.

(e) Registry Operator hereby represents and warrants that, to the best of its knowledge as of the date of execution of this Agreement, no existing ICANN Requirement conflicts with or violates any Applicable Law.

(f) Notwithstanding any other provision of this Section 7.16, following an ICANN Determination and prior to a finding by an arbitrator pursuant to Section 7.16(d) above, ICANN may, subject to prior consultations with Registry Operator, take such reasonable technical measures as it deems necessary to ensure the Security and Stability of Registry Services, the Internet and the DNS. These reasonable technical measures shall be taken by ICANN on an interim basis, until the earlier of the date of conclusion of the arbitration procedure referred to in Section 7.16(d) above or the date of complete resolution of the conflict with an Applicable Law. In case Registry Operator disagrees with such technical measures taken by ICANN, Registry Operator may submit the matter to binding arbitration pursuant to the provisions of Section 5.2 above, during which process ICANN may continue to take such technical measures. In the event that ICANN takes such measures, Registry Operator shall pay all costs incurred by ICANN as a result of taking such measures. ~~In addition, in the event that ICANN takes such measures, ICANN shall retain and may enforce its rights under the Continued Operations Instrument and Alternative Instrument, as applicable.~~

* * * * *

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their duly authorized representatives.

INTERNET CORPORATION FOR ASSIGNED NAMES AND NUMBERS

By: _____
[_____] President and CEO
Date:

[Registry Operator]

By: _____
[_____] _____
[_____] _____
Date:

EXHIBIT A

Approved Services

The ~~ICANN gTLD Applicant Guidebook (located at <https://newgtlds.icann.org/en/applicants/agb>) and the RSEP specify~~RSEP specifies processes for consideration of proposed ~~registry services~~Registry Services. Registry Operator may provide any service that is required by the terms of this Agreement. In addition, the following ~~services (if any)~~Registry Services are specifically identified as having been approved by ICANN ~~prior to the effective date of the Agreement~~, and Registry Operator may provide such ~~services~~Registry Services:

Part A

1. DNS Service – TLD Zone Contents

Notwithstanding anything else in this Agreement, ~~as indicated in section 2.2.3.3 of the gTLD Applicant Guidebook~~, permissible contents for the TLD’s DNS service are:

1.1. For the “Internet” (IN) Class:

- 1.1.1. Apex SOA record
- 1.1.2. Apex NS records and in-bailiwick glue for the TLD’s DNS servers
- 1.1.3. NS records and in-bailiwick glue for DNS servers of registered names in the TLD
- 1.1.4. DS records for registered names in the TLD
- 1.1.5. Records associated with signing the TLD zone (e.g., RRSIG, DNSKEY, NSEC, NSEC3PARAM and NSEC3)
- 1.1.6. Apex TXT record for zone versioning purposes
- 1.1.7. Apex TYPE65534 record for automatic ~~dnssec~~DNSSEC signing signaling
- 1.1.8. Apex ZONEMD record providing a cryptographic message digest over DNS zone data at rest

1.2. For the “Chaos” (CH) Class:

- 1.2.1. TXT records for server version/identification (e.g., TXT records for “version.bind.”, “id.server.”, “authors.bind” and/or “hostname.bind.”)

(Note: The above language effectively does not allow, among other things, the inclusion of DNS resource records that would enable a dotless domain name (e.g., apex A, AAAA, MX records) in the TLD zone.)

If Registry Operator wishes to place any DNS resource record type or class into its TLD DNS service (other than those listed in Sections 1.1 or 1.2 above), it must describe in detail its proposal and submit a ~~Registry Services Evaluation Process (an RSEP)~~ request. This will be evaluated per RSEP to determine whether the service would create a risk of a meaningful adverse impact on security or stability of the DNS. Registry Operator recognizes and acknowledges that a service based on the use of less-common DNS resource records and/or classes in the TLD zone, even if approved, might not work as intended for all users due to lack of software support.

Part B

Registry Operator may elect to provide the Registry Services listed at [URL][**Note to IRT: Example to be provided at a later date.**], which may be amended or modified by ICANN from time to time (each an “Elective Registry Service”).

If Registry Operator elects to provide any Elective Registry Service, Registry Operator must notify ICANN via the customer services portal at <https://portal.icann.org> of such election thirty (30) calendar days before such Elective Registry Service is provided and shall at all times after such election comply with the terms and conditions specified for such Elective Registry Service and such terms shall be incorporated herein by reference. Prior to removing any Elective Registry Service, Registry Operator must provide ICANN thirty (30) calendar days notice via such secure website before such Elective Registry Service is removed.

To the extent Registry Operator offers an Elective Registry Service that is removed by ICANN, ICANN shall provide prompt notice of such removal to Registry Operator and Registry Operator shall discontinue such Registry Service within thirty (30) calendar days of receipt of such notice.

To the extent Registry Operator offers an Elective Registry Service that is amended or modified by ICANN and ICANN deems such amendment or modification as material, Registry Operator shall comply with such amended or modified Elective Registry Service within ninety (90) calendar days of ICANN’s notice thereof to Registry Operator.

SPECIFICATION 1

CONSENSUS POLICIES AND TEMPORARY POLICIES SPECIFICATION

1. Consensus Policies.

- 1.1. ***“Consensus Policies”*** are those policies established (1) pursuant to the procedure set forth in ICANN’s Bylaws and due process, and (2) covering those topics listed in Section 1.2 of this Specification. The Consensus Policy development process and procedure set forth in ICANN’s Bylaws may be revised from time to time in accordance with the process set forth therein.
- 1.2. Consensus Policies and the procedures by which they are developed shall be designed to produce, to the extent possible, a consensus of Internet stakeholders, including the operators of gTLDs. Consensus Policies shall relate to one or more of the following:
 - 1.2.1 issues for which uniform or coordinated resolution is reasonably necessary to facilitate interoperability, security and/or stability of the Internet or Domain Name System (“DNS”);
 - 1.2.2 functional and performance specifications for the provision of Registry Services;
 - 1.2.3 Security and Stability of the registry database for the TLD;
 - 1.2.4 registry policies reasonably necessary to implement Consensus Policies relating to registry operations or registrars;
 - 1.2.5 resolution of disputes regarding the registration of domain names (as opposed to the use of such domain names); or
 - 1.2.6 restrictions on cross-ownership of registry operators and registrars or registrar resellers and regulations and restrictions with respect to registry operations and the use of registry and registrar data in the event that a registry operator and a registrar or registrar reseller are affiliated.
- 1.3. Such categories of issues referred to in Section 1.2 of this Specification shall include, without limitation:
 - 1.3.1 principles for allocation of registered names in the TLD (e.g., first-come/first-served, timely renewal, holding period after expiration);
 - 1.3.2 prohibitions on warehousing of or speculation in domain names by registries or registrars;

- 1.3.3 reservation of registered names in the TLD that may not be registered initially or that may not be renewed due to reasons reasonably related to (i) avoidance of confusion among or misleading of users, (ii) intellectual property, or (iii) the technical management of the DNS or the Internet (e.g., establishment of reservations of names from registration); and
 - 1.3.4 maintenance of and access to accurate and up-to-date information concerning domain name registrations; and procedures to avoid disruptions of domain name registrations due to suspension or termination of operations by a registry operator or a registrar, including procedures for allocation of responsibility for serving registered domain names in a TLD affected by such a suspension or termination.
 - 1.4. In addition to the other limitations on Consensus Policies, they shall not:
 - 1.4.1 prescribe or limit the price of Registry Services;
 - 1.4.2 modify the terms or conditions for the renewal or termination of the ~~Registry~~ Agreement;
 - 1.4.3 modify the limitations on Temporary Policies (defined below) or Consensus Policies;
 - 1.4.4 modify the provisions in the ~~registry agreement~~ Agreement regarding fees paid by Registry Operator to ICANN; or
 - 1.4.5 modify ICANN's obligations to ensure equitable treatment of registry operators and act in an open and transparent manner.
2. **Temporary Policies.** Registry Operator shall comply with and implement all specifications or policies established by the Board on a temporary basis, if adopted by the Board by a vote of at least two-thirds of its members, so long as the Board reasonably determines that such modifications or amendments are justified and that immediate temporary establishment of a specification or policy on the subject is necessary to maintain the stability or security of Registry Services or the DNS ("***Temporary Policies***").
 - 2.1. Such proposed specification or policy shall be as narrowly tailored as feasible to achieve those objectives. In establishing any Temporary Policy, the Board shall state the period of time for which the Temporary Policy is adopted and shall immediately implement the Consensus Policy development process set forth in ICANN's Bylaws.
 - 2.1.1 ICANN shall also issue an advisory statement containing a detailed explanation of its reasons for adopting the Temporary Policy and why

the Board believes such Temporary Policy should receive the consensus support of Internet stakeholders.

2.1.2 If the period of time for which the Temporary Policy is adopted exceeds ninety (90) calendar days, the Board shall reaffirm its temporary adoption every ninety (90) calendar days for a total period not to exceed one (1) year, in order to maintain such Temporary Policy in effect until such time as it becomes a Consensus Policy. If the one (1) year period expires or, if during such one (1) year period, the Temporary Policy does not become a Consensus Policy and is not reaffirmed by the Board, Registry Operator shall no longer be required to comply with or implement such Temporary Policy.

3. **Notice and Conflicts.** Registry Operator shall be afforded a reasonable period of time following notice of the establishment of a Consensus Policy or Temporary Policy in which to comply with such policy or specification, taking into account any urgency involved. In the event of a conflict between Registry Services and Consensus Policies or any Temporary Policy, the Consensus ~~Policies~~ Policies or Temporary Policy shall control, but only with respect to subject matter in conflict.

SPECIFICATION 2

DATA ESCROW REQUIREMENTS

Registry Operator will engage an independent entity to act as data escrow agent (“**Escrow Agent**”) for the provision of data escrow services related to the ~~Registry~~-Agreement. The following Technical Specifications set forth in Part A, and Legal Requirements set forth in Part B, will be included in any data escrow agreement between Registry Operator and the Escrow Agent, under which ICANN must be named a third-party beneficiary. In addition to the following requirements, the data escrow agreement may contain other provisions that are not contradictory or intended to subvert the required terms provided below.

PART A – TECHNICAL SPECIFICATIONS

1. **Deposits.** There will be two types of Deposits: Full and Differential. For both types, the universe of Registry objects to be considered for data escrow are those objects necessary in order to offer all of the approved Registry Services.
 - 1.1. “**Full Deposit**” will consist of data that reflects the state of the registry as of 00:00:00 UTC (Coordinated Universal Time) on the day that such Full Deposit is submitted to Escrow Agent.
 - 1.2. “**Differential Deposit**” means data that reflects all transactions that were not reflected in the last previous Full or Differential Deposit, as the case may be. Each Differential Deposit will contain all database transactions since the previous Deposit was completed as of 00:00:00 UTC of each day, but Sunday. Differential Deposits must include complete Escrow Records as specified below that were not included or changed since the most recent full or Differential Deposit (i.e., all additions, modifications or removals of data).
2. **Schedule for Deposits.** Registry Operator will submit a set of escrow files on a daily basis as follows:
 - 2.1. Each Sunday, a Full Deposit must be submitted to the Escrow Agent by 23:59 UTC.
 - 2.2. The other six (6) days of the week, a Full Deposit or the corresponding Differential Deposit must be submitted to Escrow Agent by 23:59 UTC.
3. **Escrow Format Specification.**
 - 3.1. **Deposit’s Format.** Registry objects, such as domains, contacts, name servers, registrars, etc. will be compiled into a file constructed as described in RFC 8909, ~~see Part A, Section 9, reference 1 of this Specification~~ and RFC 9022, ~~see Part A, Section 9, reference 2 of this Specification~~ (collectively, the “DNDE Specification”). The DNDE Specification describes some elements as

optional; Registry Operator will include those elements in the Deposits if they are available. UTF-8 character encoding will be used.

- 3.2. **Extensions.** If a Registry Operator offers additional Registry Services that require ~~submission~~[collection, processing and storage](#) of additional data, ~~not included above, additional “extension schemas” supported in the DNDE Specification, a data escrow profile shall be defined in~~[on](#) a case by case basis ~~to represent that data. These “extension schemas” will be specified as described in Part A, Section 9, reference 2 of this Specification. Data related to the “extensions schemas” will be included in the deposit file described in Part A, Section 3.1 of this Specification. ICANN and the respective~~[as described in Section 7 of RFC 9022. ICANN and](#) Registry Operator shall work together to agree on such ~~new objects’ data escrow specifications~~[profiles](#).
4. **Processing of Deposit files.** ~~Files. [Note to IRT: Subject to further revisions regarding RFC 9580.]~~ The use of compression is recommended in order to reduce electronic data transfer times, and storage capacity requirements. Data encryption will be used to ensure the privacy of registry escrow data. Files processed for compression and encryption will be in the binary OpenPGP format as per [RFC 9580](#) (~~OpenPGP Message Format – RFC 4880, see Part A, Section 9, reference 3 of this Specification~~). Acceptable algorithms for Public-key cryptography, Symmetric-key cryptography, Hash and Compression are those enumerated in ~~RFC 4880~~[RFC 9580](#), not marked as deprecated in ~~the~~ OpenPGP IANA Registry, ~~see Part A, Section 9, reference 4 of this Specification available at~~ <https://www.iana.org/assignments/openpgp>, that are also royalty-free. The process to follow for the data file in original text format is:
- (1) The XML file of the deposit as described in ~~Part A, Section 9, reference 1 of this Specification~~[RFC 8909](#) must be named as the containing file as specified in Section 5 but with the extension xml.
 - (2) The data file(s) are aggregated in a tarball file named the same as (1) but with extension tar.
 - (3) A compressed and encrypted OpenPGP Message is created using the tarball file as sole input. The suggested algorithm for compression is ZIP as per ~~RFC 4880~~[RFC 9580](#). The compressed data will be encrypted using the escrow agent’s public key. The suggested algorithms for Public-key encryption are Elgamal and RSA as per ~~RFC 4880~~[RFC 9580](#). The suggested algorithms for Symmetric-key encryption are TripleDES, AES128 and CAST5 as per ~~RFC 4880~~[RFC 9580](#).
 - (4) The file may be split as necessary if, once compressed and encrypted, it is larger than the file size limit agreed with the escrow agent. Every part of a split file, or the whole file if not split, will be called a processed file in this section.

- (5) A digital signature file will be generated for every processed file using the Registry Operator's private key. The digital signature file will be in binary OpenPGP format as per RFC ~~4880~~ [Section 9, reference 39580](#), and will not be compressed or encrypted. The suggested algorithms for Digital signatures are DSA and RSA as per RFC ~~4880~~ [9580](#). The suggested algorithm for Hashes in Digital signatures is SHA256.
 - (6) The processed files and digital signature files will then be transferred to the Escrow Agent through secure electronic mechanisms, such as, SFTP, SCP, HTTPS file upload, etc. as agreed between the Escrow Agent and the Registry Operator. Non-electronic delivery through a physical medium such as CD-ROMs, DVD-ROMs, or USB storage devices may be used if authorized by ICANN.
 - (7) The Escrow Agent will then validate every (processed) transferred data file using the procedure described in Part A, Section 8 of this Specification.
5. **File Naming Conventions.** Files will be named according to the following convention: {gTLD}_{YYYY-MM-DD}_{type}_S{#}_R{rev}.{ext} where:
- 5.1. {gTLD} is replaced with the gTLD name; in case of an IDN-TLD, the ASCII-compatible form (A-Label) must be used;
 - 5.2. {YYYY-MM-DD} is replaced by the date corresponding to the time used as a timeline watermark for the transactions; i.e. for the Full Deposit corresponding to 2009-08-02T00:00Z, the string to be used would be "2009-08-02";
 - 5.3. {type} is replaced by:
 - (1) "full", if the data represents a Full Deposit;
 - (2) "diff", if the data represents a Differential Deposit;
 - (3) "thin", if the data represents ~~a Bulk Registration Data Access file~~ [registration data](#), as specified in Section 3 of Specification 4;
 - (4) "thick-{gudid}", if the data represent ~~Thick Registration Data~~ [registration data](#) from a specific registrar, as defined in Section 3.2 of Specification 4. The {gudid} element must be replaced with the IANA Registrar ID associated with the data.
 - 5.4. {#} is replaced by the position of the file in a series of files, beginning with "1"; in case of a lone file, this must be replaced by "1".
 - 5.5. {rev} is replaced by the number of revision (or resend) of the file beginning with "0":

- 5.6. {ext} is replaced by “sig” if it is a digital signature file of the quasi-homonymous file. Otherwise it is replaced by “ryde”.
6. **Distribution of Public Keys.** Each of Registry Operator and Escrow Agent will distribute its public key to the other party (Registry Operator or Escrow Agent, as the case may be) via email to an email address to be specified. Each party will confirm receipt of the other party’s public key with a reply email, and the distributing party will subsequently reconfirm the authenticity of the key transmitted via offline methods, like in person meeting, telephone, etc. In this way, public key transmission is authenticated to a user able to send and receive mail via a mail server operated by the distributing party. Escrow Agent, Registry Operator and ICANN will exchange public keys by the same procedure.
7. **Notification of Deposits.** Along with the delivery of each Deposit, Registry Operator will deliver to Escrow Agent and to ICANN (using the API described in [the ICANN Registry Interfaces draft-lozano-icann-registry-interfaces](#), ~~see Part A, Section 9, reference 5 of this Specification (the “Interface Specification”)~~ [available at https://datatracker.ietf.org/doc/draft-lozano-icann-registry-interfaces](https://datatracker.ietf.org/doc/draft-lozano-icann-registry-interfaces)) a written statement from Registry Operator (which may be by authenticated e-mail) that includes a copy of the report generated upon creation of the Deposit and states that the Deposit has been inspected by Registry Operator and is complete and accurate. The preparation and submission of this statement must be performed by the Registry Operator or its designee, provided that such designee may not be the Escrow Agent or any of Escrow Agent’s Affiliates. Registry Operator will include the Deposit’s “id” and “resend” attributes in its statement. ~~The attributes are explained in Part A, Section 9, reference 1 of this~~ [as described in the DNDE Specification](#).
- If not already an RFC, Registry Operator will use the most recent draft version of the Interface Specification at the Effective Date. Registry Operator may at its election use newer versions of the Interface Specification after the Effective Date. Once the Interface Specification is published as an RFC, Registry Operator will implement that version of the Interface Specification, no later than one hundred eighty (180) calendar days after such publishing.
8. **Verification Procedure.**
- (1) The signature file of each processed file is validated.
 - (2) If processed files are pieces of a bigger file, the latter is put together.
 - (3) Each file obtained in the previous step is then decrypted and uncompressed.
 - (4) Each data file contained in the previous step is then validated against the format defined in ~~Part A, Section 9, reference 1 of this Specification~~ [RFC 8909](#).

- (5) The data escrow agent extended verification process, as defined ~~below in reference 2 of Part A of this Specification 2, as well as any other data escrow verification process contained in such reference~~ [in RFC 9022](#).

If any discrepancy is found in any of the steps, the Deposit will be considered incomplete.

~~9. References:~~

- ~~(1) Registry Data Escrow Specification, <https://www.rfc-editor.org/rfc/rfc8909.txt>~~
- ~~(2) Domain Name Registration Data (DNRD) Objects Mapping, <https://www.rfc-editor.org/rfc/rfc9022.txt>~~
- ~~(3) OpenPGP Message Format, <https://www.rfc-editor.org/rfc/rfc4880.txt>~~
- ~~(4) OpenPGP parameters, <https://www.iana.org/assignments/pgp-parameters/pgp-parameters.xhtml>~~
- ~~(5) ICANN Registry Interfaces, <https://datatracker.ietf.org/doc/draft-lozano-icann-registry-interfaces>~~

PART B – LEGAL REQUIREMENTS

1. **Escrow Agent.** Prior to entering into an escrow agreement, the Registry Operator must provide notice to ICANN as to the identity of the Escrow Agent, and provide ICANN with contact information and a copy of the relevant escrow agreement, and all amendments thereto. In addition, prior to entering into an escrow agreement, Registry Operator must obtain the consent of ICANN to (a) use the specified Escrow Agent, and (b) enter into the form of escrow agreement provided. ICANN must be expressly designated as a third-party beneficiary of the escrow agreement. ICANN reserves the right to withhold its consent to any Escrow Agent, escrow agreement, or any amendment thereto, all in its sole discretion.
2. **Fees.** Registry Operator must pay, or have paid on its behalf, fees to the Escrow Agent directly. If Registry Operator fails to pay any fee by the due date(s), the Escrow Agent will give ICANN written notice of such non-payment and ICANN may pay the past-due fee(s) within fifteen (15) calendar days after receipt of the written notice from Escrow Agent. Upon payment of the past-due fees by ICANN, ICANN shall have a claim for such amount against Registry Operator, which Registry Operator shall be required to submit to ICANN together with the next fee payment due under the ~~Registry~~ Agreement.
3. **Ownership.** Ownership of the Deposits during the effective term of the ~~Registry~~ Agreement shall remain with Registry Operator at all times. Thereafter, Registry Operator shall assign any such ownership rights (including intellectual property rights, as the case may be) in such Deposits to ICANN. In the event that during the term of the ~~Registry~~ Agreement any Deposit is released from escrow to ICANN, any intellectual property rights held by Registry Operator in the Deposits will automatically be licensed to ICANN or to a party designated in writing by ICANN on a non-exclusive, perpetual, irrevocable, royalty-free, paid-up basis, for any use related to the operation, maintenance or transition of the TLD.
4. **Integrity and Confidentiality.** Escrow Agent will be required to (i) hold and maintain the Deposits in a secure, locked, and environmentally safe facility, which is accessible only to authorized representatives of Escrow Agent, (ii) protect the integrity and confidentiality of the Deposits using commercially reasonable measures and (iii) keep and safeguard each Deposit for one (1) year. ICANN and Registry Operator will be provided the right to inspect Escrow Agent’s applicable records upon reasonable prior notice and during normal business hours. Registry Operator and ICANN will be provided with the right to designate a third-party auditor to audit Escrow Agent’s compliance with the technical specifications and maintenance requirements of this Specification 2 from time to time.

If Escrow Agent receives a subpoena or any other order from a court or other judicial tribunal pertaining to the disclosure or release of the Deposits, Escrow Agent will promptly notify the Registry Operator and ICANN unless prohibited by law. After notifying the Registry Operator and ICANN, Escrow Agent shall allow

sufficient time for Registry Operator or ICANN to challenge any such order, which shall be the responsibility of Registry Operator or ICANN; provided, however, that Escrow Agent does not waive its rights to present its position with respect to any such order. Escrow Agent will cooperate with the Registry Operator or ICANN to support efforts to quash or limit any subpoena, at such party's expense. Any party requesting additional assistance shall pay Escrow Agent's standard charges or as quoted upon submission of a detailed request.

5. **Copies.** Escrow Agent may be permitted to duplicate any Deposit, in order to comply with the terms and provisions of the escrow agreement.
6. **Release of Deposits.** Escrow Agent will make available for electronic download (unless otherwise requested) to ICANN or its designee, within twenty-four (24) hours, at the Registry Operator's expense, all Deposits in Escrow Agent's possession in the event that the Escrow Agent receives a request from Registry Operator to effect such delivery to ICANN, or receives one of the following written notices by ICANN stating that:
 - 6.1. the ~~Registry~~ Agreement has expired without renewal, or been terminated; or
 - 6.2. ~~ICANN has not received a notification as described in Part B, Sections 7.1 and 7.2 of this Specification from Escrow Agent within five (5) calendar days after the Deposit's scheduled delivery date; (a) ICANN gave notice to Escrow Agent and it has been eight (8) consecutive days since Registry Operator of that failure; and (b) ICANN has not, within seven (7) calendar days after such notice, received the notification from Escrow Agent submitted at least one Full Deposit;~~ or
 - 6.3. Intentionally omitted.
 - 6.4. Intentionally omitted.
 - 6.3.—~~ICANN has received notification as described in Part B, Sections 7.1 and 7.2 of this Specification from Escrow Agent of failed verification of the latest escrow deposit for a specific date or a notification of a missing deposit, and the notification is for a deposit that should have been made on Sunday (i.e., a Full Deposit); (a) ICANN gave notice to Registry Operator of that receipt; and (b) ICANN has not, within seven (7) calendar days after such notice, received notification as described in Part B, Sections 7.1 and 7.2 of this Specification from Escrow Agent of verification of a remediated version of such Full Deposit; or~~
 - 6.4.—~~ICANN has received five notifications from Escrow Agent within the last thirty (30) calendar days notifying ICANN of either missing or failed escrow deposits that should have been made Monday through Saturday (i.e., a Differential Deposit), and (x) ICANN provided notice to Registry Operator of the receipt of such notifications; and (y) ICANN has not, within seven (7)~~

~~calendar days after delivery of such notice to Registry Operator, received notification from Escrow Agent of verification of a remediated version of such Differential Deposit; or~~

- 6.5. Registry Operator has: (i) ceased to conduct its business in the ordinary course; or (ii) filed for bankruptcy, become insolvent or anything analogous to any of the foregoing under the laws of any jurisdiction anywhere in the world; or
- 6.6. Registry Operator has experienced a failure of critical registry functions and ICANN has asserted its rights pursuant to Section 2.13 ~~of the Agreement~~; or
- 6.7. a competent court, arbitral, legislative, or government agency mandates the release of the Deposits to ICANN; or
- 6.8. pursuant to Contractual and Operational Compliance Audits as specified under Section 2.11 ~~of the Agreement~~.

Unless Escrow Agent has previously released the Registry Operator's Deposits to ICANN or its designee, Escrow Agent will deliver all Deposits to ICANN upon expiration or termination of the ~~Registry Agreement~~ or the ~~Escrow Agreement~~escrow agreement.

7. **Verification of Deposits.**

- 7.1. Within twenty-four (24) hours after receiving each Deposit or corrected Deposit, Escrow Agent must verify the format and completeness of each Deposit and deliver to ICANN a notification generated for each Deposit. Reports will be delivered electronically using the API described in the ICANN Registry Interfaces draft-lozano-icann-registry-interfaces, ~~see Part A, Section 9, reference 5 of this Specification~~.
- 7.2. If Escrow Agent discovers that any Deposit fails the verification procedures or if Escrow Agent does not receive any scheduled Deposit, Escrow Agent must notify Registry Operator either by email, fax or phone and ICANN (using the API described in the ICANN Registry Interfaces draft-lozano-icann-registry-interfaces, ~~see Part A, Section 9, reference 5 of this Specification~~) of such nonconformity or non-receipt within twenty-four (24) hours after receiving the non-conformant Deposit or the deadline for such Deposit, as applicable. Upon notification of such verification or delivery failure, Registry Operator must begin developing modifications, updates, corrections, and other fixes of the Deposit necessary for the Deposit to be delivered and pass the verification procedures and deliver such fixes to Escrow Agent as promptly as possible.

8. **Amendments.** Escrow Agent and Registry Operator shall amend the terms of the ~~Escrow Agreement~~escrow agreement to conform to this Specification 2 within ten

(10) calendar days of any amendment or modification to this Specification 2. In the event of a conflict between this Specification 2 and the ~~Escrow Agreement~~[escrow agreement](#), this Specification 2 shall control.

9. **Indemnity**. Escrow Agent shall indemnify and hold harmless Registry Operator and ICANN, and each of their respective directors, officers, agents, employees, members, and stockholders (“Indemnitees”) absolutely and forever from and against any and all claims, actions, damages, suits, liabilities, obligations, costs, fees, charges, and any other expenses whatsoever, including reasonable attorneys’ fees and costs, that may be asserted by a third party against any Indemnitee in connection with the misrepresentation, negligence or misconduct of Escrow Agent, its directors, officers, agents, employees and contractors.

SPECIFICATION 3

FORMAT AND CONTENT FOR REGISTRY OPERATOR MONTHLY REPORTING

Registry Operator shall provide one set of monthly reports per ~~gTLD~~TLD, using the API described in [the ICANN Registry Interfaces](#) draft-lozano-icann-registry-interfaces, ~~see Specification 2, Part A, Section 9, reference 5,~~ with the following content.

ICANN may request in the future that the reports be delivered by other means and using other formats. ICANN will use reasonable commercial efforts to preserve the confidentiality of the information reported until three (3) months after the end of the month to which the reports relate. Unless set forth in this Specification 3, any reference to a specific time refers to Coordinated Universal Time (UTC). Monthly reports shall consist of data that reflects the state of the registry at the end of the month (UTC).

- 1. Per-Registrar Transactions Report.** This report shall be compiled in a comma separated-value formatted file as specified in RFC 4180. The file shall be named “gTLD-transactions-yyyymm.csv”, where “gTLD” is the ~~gTLD~~TLD name; in case of an IDN-TLD, the A-label shall be used; “yyyymm” is the year and month being reported. The file shall contain the following fields per registrar:

Field #	Field name	Description
01	registrar-name	Registrar’s full corporate name as registered with IANA
02	iana-id	For cases where the registry operator acts as registrar (i.e., without the use of an ICANN accredited registrar) either 9998 or 9999 should be used depending on registration type (as described in Specification 5), otherwise the sponsoring Registrar ID (IANA idID) should be used as specified in https://www.iana.org/assignments/registrar-ids s https://www.iana.org/assignments/registrar-ids , as may be modified by ICANN from time to time
03	total-domains	total domain names under sponsorship in any EPP status but pendingCreate that have not been purged
04	total-nameservers	total name servers (either host objects or name server hosts as domain name attributes) associated with domain names registered for the TLD in any EPP status but pendingCreate that have not been purged

05	net-adds-1-yr	number of domains successfully registered (i.e., not in EPP pendingCreate status) with an initial term of one (1) year (and not deleted within the add grace period). A transaction must be reported in the month the add grace period ends.
06	net-adds-2-yr	number of domains successfully registered (i.e., not in EPP pendingCreate status) with an initial term of two(2) years (and not deleted within the add grace period). A transaction must be reported in the month the add grace period ends.
07	net-adds-3-yr	number of domains successfully registered (i.e., not in EPP pendingCreate status) with an initial term of three (3) years (and not deleted within the add grace period). A transaction must be reported in the month the add grace period ends.
08	net-adds-4-yr	number of domains successfully registered (i.e., not in EPP pendingCreate status) with an initial term of four (4) years (and not deleted within the add grace period). A transaction must be reported in the month the add grace period ends.
09	net-adds-5-yr	number of domains successfully registered (i.e., not in EPP pendingCreate status) with an initial term of five (5) years (and not deleted within the add grace period). A transaction must be reported in the month the add grace period ends.
10	net-adds-6-yr	number of domains successfully registered (i.e., not in EPP pendingCreate status) with an initial term of six (6) years (and not deleted within the add grace period). A transaction must be reported in the month the add grace period ends.
11	net-adds-7-yr	number of domains successfully registered (i.e., not in EPP pendingCreate status) with an initial term of seven (7) years (and not deleted within the add grace period). A transaction must be reported in the month the add grace period ends.
12	net-adds-8-yr	number of domains successfully registered (i.e., not in EPP pendingCreate status) with an initial term of eight (8) years (and not deleted within the add grace period). A transaction must be reported in the month the add grace period ends.
13	net-adds-9-yr	number of domains successfully registered (i.e., not in EPP pendingCreate status) with an initial term of nine (9) years (and not deleted within the

		add grace period). A transaction must be reported in the month the add grace period ends.
14	net-adds-10-yr	number of domains successfully registered (i.e., not in EPP pendingCreate status) with an initial term of ten (10) years (and not deleted within the add grace period). A transaction must be reported in the month the add grace period ends.
15	net-renews-1-yr	number of domains successfully renewed (i.e., not in EPP pendingRenew status) either automatically or by command with a new renewal period of one (1) year (and not deleted within the renew or auto-renew grace period). A transaction must be reported in the month the renew or auto-renew grace period ends.
16	net-renews-2-yr	number of domains successfully renewed (i.e., not in EPP pendingRenew status) either automatically or by command with a new renewal period of two (2) years (and not deleted within the renew or auto-renew grace period). A transaction must be reported in the month the renew or auto-renew grace period ends.
17	net-renews-3-yr	number of domains successfully renewed (i.e., not in EPP pendingRenew status) either automatically or by command with a new renewal period of three (3) years (and not deleted within the renew or auto-renew grace period). A transaction must be reported in the month the renew or auto-renew grace period ends.
18	net-renews-4-yr	number of domains successfully renewed (i.e., not in EPP pendingRenew status) either automatically or by command with a new renewal period of four (4) years (and not deleted within the renew or auto-renew grace period). A transaction must be reported in the month the renew or auto-renew grace period ends.
19	net-renews-5-yr	number of domains successfully renewed (i.e., not in EPP pendingRenew status) either automatically or by command with a new renewal period of five (5) years (and not deleted within the renew or auto-renew grace period). A transaction must be reported in the month the renew or auto-renew grace period ends.

20	net-renews-6-yr	number of domains successfully renewed (i.e., not in EPP pendingRenew status) either automatically or by command with a new renewal period of six (6) years (and not deleted within the renew or auto-renew grace period). A transaction must be reported in the month the renew or auto-renew grace period ends.
21	net-renews-7-yr	number of domains successfully renewed (i.e., not in EPP pendingRenew status) either automatically or by command with a new renewal period of seven (7) years (and not deleted within the renew or auto-renew grace period). A transaction must be reported in the month the renew or auto-renew grace period ends.
22	net-renews-8-yr	number of domains successfully renewed (i.e., not in EPP pendingRenew status) either automatically or by command with a new renewal period of eight (8) years (and not deleted within the renew or auto-renew grace period). A transaction must be reported in the month the renew or auto-renew grace period ends.
23	net-renews-9-yr	number of domains successfully renewed (i.e., not in EPP pendingRenew status) either automatically or by command with a new renewal period of nine (9) years (and not deleted within the renew or auto-renew grace period). A transaction must be reported in the month the renew or auto-renew grace period ends.
24	net-renews-10-yr	number of domains successfully renewed (i.e., not in EPP pendingRenew status) either automatically or by command with a new renewal period of ten (10) years (and not deleted within the renew or auto-renew grace period). A transaction must be reported in the month the renew or auto-renew grace period ends.
25	transfer-gaining-successful	number of domain transfers initiated by this registrar that were successfully completed (either explicitly or automatically approved) and not deleted within the transfer grace period. A transaction must be reported in the month the transfer grace period ends.

26	transfer-gaining-nacked	number of domain transfers initiated by this registrar that were rejected (e.g., EPP transfer op="reject") by the other registrar
27	transfer-losing-successful	number of domain transfers initiated by another registrar that were successfully completed (either explicitly or automatically approved)
28	transfer-losing-nacked	number of domain transfers initiated by another registrar that this registrar rejected (e.g., EPP transfer op="reject")
29	transfer-disputed-won	number of transfer disputes in which this registrar prevailed (reported in the month where the determination happened)
30	transfer-disputed-lost	number of transfer disputes this registrar lost (reported in the month where the determination happened)
31	transfer-disputed-noddecision	number of transfer disputes involving this registrar with a split or no decision (reported in the month where the determination happened)
32	deleted-domains-grace	domains deleted within the add grace period (does not include names deleted while in EPP pendingCreate status). A deletion must be reported in the month the name is purged.
33	deleted-domains-nograce	domains deleted outside the add grace period (does not include names deleted while in EPP pendingCreate status). A deletion must be reported in the month the name is purged.
34	restored-domains	domain names restored during reporting period
35	restored-noreport	total number of restored names for which a restore report is required by the registry, but the registrar failed to submit it
36	agp-exemption-requests	total number of AGP (add grace period) exemption requests
37	agp-exemptions-granted	total number of AGP (add grace period) exemption requests granted
38	agp-exempted-domains	total number of names affected by granted AGP (add grace period) exemption requests
39	attempted-adds	number of attempted (both successful and failed) domain name create commands

The first line shall include the field names exactly as described in the table above as a "header line" as described in section 2 of RFC 4180. The last line of each report shall

include totals for each column across all registrars; the first field of this line shall read “Totals” while the second field shall be left empty in that line. No other lines besides the ones described above shall be included. Line breaks shall be <U+000D, U+000A> as described in RFC 4180.

2. **Registry Functions Activity Report.** This report shall be compiled in a comma separated-value formatted file as specified in RFC 4180. The file shall be named “gTLD-activity-yyyymm.csv”, where “gTLD” is the ~~gTLD~~TLD name; in case of an IDN-TLD, the A-label shall be used; “yyyymm” is the year and month being reported. The file shall contain the following fields:

Field #	Field Name	Description
01	operational-registrars	number of operational registrars in the production system at the end of the reporting period
02	zfa-passwords	number of active zone file access passwords at the end of the reporting period; "CZDS" may be used instead of the number of active zone file access passwords, if the Centralized Zone Data Service (CZDS) is used to provide the zone file to the end user
03	whois-43-queries	number of WHOIS (port-43) queries responded during the reporting period; an empty value shall be used after the WHOIS Services Sunset Date (as defined in Specification 4) if the WHOIS (port 43) service is not provided after such date
04	web-whois-queries	number of web-based WHOIS queries responded during the reporting period, not including searchable WHOIS; an empty value shall be used after the WHOIS Services Sunset Date if the web-based WHOIS service is not provided after such date
05	searchable-whois-queries	number of searchable WHOIS queries responded during the reporting period; an empty value shall be used if searchable WHOIS service is not provided during the reporting period
06	dns-udp-queries-received	number of DNS queries received over UDP transport during the reporting period
07	dns-udp-queries-responded	number of DNS queries received over UDP transport that were responded during the reporting period

Field #	Field Name	Description
08	dns-tcp-queries-received	number of DNS queries received over TCP transport during the reporting period
09	dns-tcp-queries-responded	number of DNS queries received over TCP transport that were responded during the reporting period
10	srs-dom-check	number of SRS (EPP and any other interface) domain name “check” requests responded during the reporting period
11	srs-dom-create	number of SRS (EPP and any other interface) domain name “create” requests responded during the reporting period
12	srs-dom-delete	number of SRS (EPP and any other interface) domain name “delete” requests responded during the reporting period
13	srs-dom-info	number of SRS (EPP and any other interface) domain name “info” requests responded during the reporting period
14	srs-dom-renew	number of SRS (EPP and any other interface) domain name “renew” requests responded during the reporting period
15	srs-dom-rgp-restore-report	number of SRS (EPP and any other interface) domain name RGP “restore” requests delivering a restore report responded during the reporting period
16	srs-dom-rgp-restore-request	number of SRS (EPP and any other interface) domain name RGP “restore” requests responded during the reporting period
17	srs-dom-transfer-approve	number of SRS (EPP and any other interface) domain name “transfer” requests to approve transfers responded during the reporting period
18	srs-dom-transfer-cancel	number of SRS (EPP and any other interface) domain name “transfer” requests to cancel transfers responded during the reporting period
19	srs-dom-transfer-query	number of SRS (EPP and any other interface) domain name “transfer” requests to query about a transfer responded during the reporting period

Field #	Field Name	Description
20	srs-dom-transfer-reject	number of SRS (EPP and any other interface) domain name “transfer” requests to reject transfers responded during the reporting period
21	srs-dom-transfer-request	number of SRS (EPP and any other interface) domain name “transfer” requests to request transfers responded during the reporting period
22	srs-dom-update	number of SRS (EPP and any other interface) domain name “update” requests (not including RGP restore requests) responded during the reporting period
23	srs-host-check	number of SRS (EPP and any other interface) host “check” requests responded during the reporting period
24	srs-host-create	number of SRS (EPP and any other interface) host “create” requests responded during the reporting period
25	srs-host-delete	number of SRS (EPP and any other interface) host “delete” requests responded during the reporting period
26	srs-host-info	number of SRS (EPP and any other interface) host “info” requests responded during the reporting period
27	srs-host-update	number of SRS (EPP and any other interface) host “update” requests responded during the reporting period
28	srs-cont-check	number of SRS (EPP and any other interface) contact “check” requests responded during the reporting period
29	srs-cont-create	number of SRS (EPP and any other interface) contact “create” requests responded during the reporting period
30	srs-cont-delete	number of SRS (EPP and any other interface) contact “delete” requests responded during the reporting period
31	srs-cont-info	number of SRS (EPP and any other interface) contact “info” requests responded during the reporting period

Field #	Field Name	Description
32	srs-cont-transfer-approve	number of SRS (EPP and any other interface) contact “transfer” requests to approve transfers responded during the reporting period
33	srs-cont-transfer-cancel	number of SRS (EPP and any other interface) contact “transfer” requests to cancel transfers responded during the reporting period
34	srs-cont-transfer-query	number of SRS (EPP and any other interface) contact “transfer” requests to query about a transfer responded during the reporting period
35	srs-cont-transfer-reject	number of SRS (EPP and any other interface) contact “transfer” requests to reject transfers responded during the reporting period
36	srs-cont-transfer-request	number of SRS (EPP and any other interface) contact “transfer” requests to request transfers responded during the reporting period
37	srs-cont-update	number of SRS (EPP and any other interface) contact “update” requests responded during the reporting period
38	rdap-queries	number of RDAP queries responded during the reporting period
39	dns-tls-queries-received	number of DNS queries received over TLS transport during the reporting period; an empty value shall be used if the transport is not provided
40	dns-tls-queries-responded	number of DNS queries received over TLS transport that were responded during the reporting period; an empty value shall be used if the transport is not provided
41	dns-https-queries-received	number of DNS queries received over HTTPS transport during the reporting period; an empty value shall be used if the transport is not provided
42	dns-https-queries-responded	number of DNS queries received over HTTPS transport that were responded during the reporting period; an empty value shall be used if the transport is not provided
43	dns-quic-queries-received	number of DNS queries received over QUIC transport during the reporting period; an empty value shall be used if the transport is not provided

Field #	Field Name	Description
<u>44</u>	<u>dns-quic-queries-responded</u>	<u>number of DNS queries received over QUIC transport that were responded during the reporting period; an empty value shall be used if the transport is not provided</u>

The first line shall include the field names exactly as described in the table above as a “header line” as described in section 2 of RFC 4180. No other lines besides the ones described above shall be included. Line breaks shall be <U+000D, U+000A> as described in RFC 4180.

For gTLDs that are part of a single-instance Shared Registry System: (1) the fields whois-43-queries, web-whois-queries, searchable-whois-queries and rdap-queries in the Registry Functions Activity Report should match the sum of queries reported for the gTLDs in the single-instance Shared Registry System, (2) in case of queries related to the fields in (1) above for which the Registry Operator cannot determine the TLD to count the query to (e.g., a registrar lookup query for a registrar operating in more than one TLD sharing the same RDAP base URL), registries have the flexibility to choose how to allocate those queries across the gTLDs utilizing the single-instance Shared Registry System, and (3) the Registry Functions Activity Report may include the total contact or host transactions for all the gTLDs in the system.

To the extent Registry Operator receives or responds to any DNS queries over TLS, HTTPS or QUIC transport and utilizes a protocol proxy that relays such queries to the UDP or TCP service, Registry Operator shall ensure the dns-udp-queries-received, dns-udp-queries-responded, dns-tcp-queries-received and dns-tcp-queries-responded fields in the report do not include any DNS queries that were received or responded, as applicable, over TLS, HTTPS or QUIC transport and that such queries are only counted as TLS, HTTPS or QUIC transport queries, as applicable, not UDP or TCP queries.

SPECIFICATION 4

REGISTRATION DATA PUBLICATION SERVICES

1. Registration Data Directory Services

1.1. Definitions.

1.1.1 “Registration Data Access Protocol” or “RDAP” is an Internet protocol that provides “RESTful” web services to retrieve registration metadata from Domain Name Registries and Regional Internet Registries.

1.1.2 “RDAP Directory Services” refers to a Registration Data Directory Service using the RDAP described in STD 95 (<https://www.rfc-editor.org/refs/ref-std95.txt>), and its successor standards

1.1.3 “Registration Data Directory Services” or “RDDS” refers to the collective of ~~WHOIS Data Directory Services (as defined in this Specification 4)~~ and Registration Data Access Protocol (RDAP) Directory Services (as defined in this Specification 4) and, if offered, WHOIS Data Directory Services (as defined in this Specification 4).

1.1.4 “WHOIS Data Directory Services” refers to the collective of WHOIS service available via port 43 in accordance with RFC 3912 and a web-based WHOIS service providing free public query-based access to registration data.

~~1.1.5 “RDAP Ramp-Up Period” means the period that ends 3 February 2024.~~

~~1.1.6 “WHOIS Services Sunset Date” means the date that is 360 days after the expiration of the RDAP Ramp-Up Period, provided that ICANN and the Registries Stakeholder Group may mutually agree to postpone the WHOIS Services Sunset Date. If either the Chief Executive Officer of ICANN (“CEO”) or the Chairperson of the Registries Stakeholder Group (“Chair”) desires to discuss postponing the WHOIS Services Sunset Date, the CEO or Chair, as applicable, shall provide written notice to the other person, which shall set forth in reasonable detail the proposed postponement.~~

1.2. RDAP Directory Services

1.2.1 Registry Operator shall implement the most recent version of the RDAP Technical Implementation Guide and RDAP Response Profile posted at <https://icann.org/gtld-rdap-profile>. Registry Operator will

implement new versions of the RDAP Technical Implementation Guide and RDAP Response Profile no later than one hundred eighty (180) calendar days after notification from ICANN.

1.2.2 Registry Operator shall provide lookup query support for:

- (1) domain information as described in the section “Domain Path Segment Specification” of RFC 9082.
- (2) nameserver information as described in the section “Nameserver Path Segment Specification” of RFC 9082; provided, however, that Registry Operator shall not be required to (but may still choose to) support nameserver lookup if Registry Operator specifies name servers as domain attributes in EPP.
- (3) registrar information as described in the section “Entity Path Segment Specification” of RFC 9082.
- (4) help information as described in the section "Help Path Segment Specification" of RFC 9082.

1.2.3 ~~ICANN reserves the right to specify alternative formats and protocols approved as “Internet Standards” (as opposed to Informational or Experimental standards) through the applicable IETF processes with respect to Registration Data. Upon such specification, ICANN shall: (a) work collaboratively with gTLD registries and ICANN-accredited registrars to define all operational requirements necessary to implement the applicable standard; and (b) if applicable, initiate negotiations to define all reporting requirements (if any), and reasonable service level requirements commensurate with similarly situated services.~~Intentionally omitted.

1.3. **Searchability.** Offering searchability capabilities for the ~~Registration Data~~registration data is optional but if offered by the Registry Operator it shall comply with the specification described in this section.

1.3.1 Registry Operator will offer searchability as a web-based service.

1.3.2 Registry Operator will offer partial match capabilities on ~~each of the following fields:~~ domain name, and, if applicable, contacts and registrant’s registrant name, ~~and contact~~ and registrant’s postal address, including all the sub-fields described in EPP (e.g., street, city, state or province, etc.), and may offer partial match capabilities on other fields, in each case subject to applicable law.

- 1.3.3 Registry Operator will offer exact-match capabilities, at least, on the following fields: Registrar ID, name server name, and name server's IP address (only applies to IP addresses stored by the ~~registry~~[Registry Operator](#), i.e., glue records).
- 1.3.4 Registry Operator will offer Boolean search capabilities supporting, at least, the following logical operators to join a set of search criteria: AND, OR, NOT.
- 1.3.5 Search results will include domain names matching the search criteria.
- 1.3.6 Registry Operator will: 1) implement appropriate measures to avoid abuse of this feature (e.g., permitting access only to legitimate authorized users); and 2) ensure the feature is in compliance with any applicable privacy laws and ICANN Consensus Policies and Temporary Policies.
- 1.3.7 Registry Operator shall only offer the searchability capabilities required in the RDAP Technical Implementation Guide and RDAP Response Profile in the RDAP Directory Services.
- 1.4. ~~WHOIS Data Directory Services~~[Intentionally Omitted](#).
 - ~~1.4.1—Until the WHOIS Services Sunset Date, Registry Operator will operate a WHOIS service available via port 43 in accordance with RFC 3912, and a web-based WHOIS Service at <whois.nic.TLD> providing free public query-based access to at least the following elements in the following format.~~
 - ~~1.4.2—The format of responses shall follow a semi-free text format outlined below, followed by a blank line and a legal disclaimer specifying the rights of Registry Operator, and of the user querying the database.~~
 - ~~1.4.3—Each data object shall be represented as a set of key/value pairs, with lines beginning with keys, followed by a colon and a space as delimiters, followed by the value.~~
 - ~~1.4.4—For fields where more than one value exists, multiple key/value pairs with the same key shall be allowed (for example to list multiple name servers). The first key/value pair after a blank line should be considered the start of a new record, and should be considered as identifying that record, and is used to group data, such as hostnames and IP addresses, or a domain name and registrant information, together.~~

~~1.4.5 The fields specified below set forth the minimum output requirements.~~

~~1.4.6 Domain Name Data~~

~~(1) Query format: whois EXAMPLE.TLD~~

~~(2) Response format:~~

~~Domain Name: EXAMPLE.TLD
Registry Domain ID: D1234567-TLD
Registrar WHOIS Server: whois.example.tld
Registrar URL: http://www.example.tld
Updated Date: 2009-05-29T20:13:00Z
Creation Date: 2000-10-08T00:45:00Z
Registry Expiry Date: 2010-10-08T00:44:59Z
Registrar Registration Expiration Date: 2010-10-08T00:44:59Z¹
Registrar: EXAMPLE-REGISTRAR-LLC
Registrar IANA ID: 5555555
Registrar Abuse Contact Email: email@registrar.tld
Registrar Abuse Contact Phone: +1.123551234
Reseller: EXAMPLE-RESELLER²
Domain Status: clientDeleteProhibited
Domain Status: clientRenewProhibited
Domain Status: clientTransferProhibited
Domain Status: serverUpdateProhibited
Registry Registrant ID: 5372808-ERL
Registrant Name: EXAMPLE-REGISTRANT
Registrant Organization: EXAMPLE-ORGANIZATION
Registrant Street: 123-EXAMPLE-STREET
Registrant City: ANYTOWN
Registrant State/Province: AP
Registrant Postal Code: A1A1A1
Registrant Country: EX
Registrant Phone: +1.5555551212
Registrant Phone Ext: 1234
Registrant Fax: +1.5555551213
Registrant Fax Ext: 4321
Registrant Email: EMAIL@EXAMPLE.TLD
Registry Admin ID: 5372809-ERL
Admin Name: EXAMPLE-REGISTRANT-ADMINISTRATIVE
Admin Organization: EXAMPLE-REGISTRANT-ORGANIZATION
Admin Street: 123-EXAMPLE-STREET
Admin City: ANYTOWN
Admin State/Province: AP
Admin Postal Code: A1A1A1
Admin Country: EX
Admin Phone: +1.5555551212
Admin Phone Ext: 1234
Admin Fax: +1.5555551213
Admin Fax Ext:
Admin Email: EMAIL@EXAMPLE.TLD
Registry Tech ID: 5372811-ERL~~

¹ Field is optional.

² Field is optional.

Tech Name: EXAMPLE REGISTRAR TECHNICAL
Tech Organization: EXAMPLE REGISTRAR LLC
Tech Street: 123 EXAMPLE STREET
Tech City: ANYTOWN
Tech State/Province: AP
Tech Postal Code: A1A1A1
Tech Country: EX
Tech Phone: +1.1235551234
Tech Phone Ext: 1234
Tech Fax: +1.5555551213
Tech Fax Ext: 93
Tech Email: EMAIL@EXAMPLE.TLD
Name Server: NS01.EXAMPLEREGISTRAR.TLD
Name Server: NS02.EXAMPLEREGISTRAR.TLD
DNSSEC: signedDelegation
DNSSEC: unsigned
URL of the ICANN WHOIS Inaccuracy Complaint Form:
<https://www.icann.org/wicf/>
>>> Last update of WHOIS database: 2009-05-29T20:15:00Z <<<

1.4.7 Registrar Data

(1) ~~Query format:~~ whois “registrar Example Registrar, Inc.”

(2) ~~Response format:~~

~~Registrar: Example Registrar, Inc.
Street: 1234 Admiralty Way
City: Marina del Rey
State/Province: CA
Postal Code: 90292
Country: US
Phone Number: +1.3105551212
Fax Number: +1.3105551213
Email: registrar@example.tld
Registrar WHOIS Server: whois.example-registrar.tld
Registrar URL: http://www.example-registrar.tld
Admin Contact: Joe Registrar
Phone Number: +1.3105551213
Fax Number: +1.3105551213
Email: joeregistrar@example-registrar.tld
Admin Contact: Jane Registrar
Phone Number: +1.3105551214
Fax Number: +1.3105551213
Email: janeregistrar@example-registrar.tld
Technical Contact: John Geek
Phone Number: +1.3105551215
Fax Number: +1.3105551216
Email: johngeek@example-registrar.tld
>>> Last update of WHOIS database: 2009-05-29T20:15:00Z <<<~~

1.4.8 Nameserver Data:

(1) ~~Query format:~~ whois “nameserver (nameserver name)”, or whois “nameserver (IP Address).” For example: whois “nameserver NS1.EXAMPLE.TLD”.

(2) ~~Response format:~~

```
Server Name: NS1.EXAMPLE.TLD
IP Address: 192.0.2.123
IP Address: 2001:0DB8::1
Registrar: Example Registrar, Inc.
Registrar WHOIS Server: whois.example-registrar.tld
Registrar URL: http://www.example-registrar.tld
>>> Last update of WHOIS database: 2009-05-29T20:15:00Z <<<
```

~~1.4.9—The format of the following data fields: domain status, individual and organizational names, address, street, city, state/province, postal code, country, telephone and fax numbers (the extension will be provided as a separate field as shown above), email addresses, date and times should conform to the mappings specified in EPP RFCs 5730-5734 so that the display of this information (or values return in WHOIS responses) can be uniformly processed and understood.~~

- 1.5. **WHOIS Data Directory Services** ~~after the WHOIS Services Sunset Date~~. If Registry Operator ~~continues to offer~~[offers](#) WHOIS Data Directory Services ~~after the WHOIS Services Sunset Date~~, [then](#) the following requirements will apply:
 - 1.5.1 If Registry Operator ~~continues to offer~~[offers](#) a WHOIS service available via port 43, Registry Operator shall do so in accordance with RFC 3912.
 - 1.5.2 Registry Operator shall submit a change request to the IANA functions operator updating any outdated or inaccurate [information about the WHOIS records server](#) of the TLD as described in Specification 6, Section 1.6.
 - 1.5.3 Personal data included in registration data must be redacted in accordance with ICANN Consensus Policies and Temporary Policies;
 - 1.5.4 Registry Operator must adhere to the requirements related to additional fields of the Consistent Labeling and Display Consensus Policy if they choose to add data fields.
 - 1.5.5 If the Registry Operator provides less registration data in WHOIS Data Directory Services than that available in the RDAP Directory Services, Registry Operator must add the following disclaimer in the WHOIS output footer: “The registration data available in this service is limited. Additional data may be available at <https://lookup.icann.org>”.
 - 1.5.6 ~~After the WHOIS Services Sunset Date~~, [in](#) the event of a conflict between the WHOIS Data Directory Service requirements and Consensus Policies or any Temporary Policy ~~effective after the WHOIS Services Sunset Date~~, the Consensus Policies or Temporary Policy

shall control, but only with respect to the subject matter in conflict and in accordance with Section 2.2 (Compliance with Consensus Policies and Temporary Policies).

1.6. Intentionally Omitted.

~~1.5.7—Until such time that updates are made and effective for Consensus Policies and procedures pursuant to the Phase 1 GNSO Consensus Policy recommendations of the Expedited Policy Development Process on the Temporary Specification for gTLD Registration Data, adopted by the ICANN Board in May 2019, as of the WHOIS Services Sunset Date, the following terms in such policies will be interpreted as follows:~~

~~(1)—With the exception of “Searchable Whois” and the “Whois contact lookup service”, the following terms: “WHOIS”, “Whois”, “Whois service”, “Publicly accessible Whois”, and variations thereof shall be interpreted to refer to RDDS as defined in this Specification.~~

~~(2)—“Whois data”, “WHOIS information”, “Whois contact information”, “WHOIS query data”, “WHOIS details”, “Whois output”, “Whois record”, “Whois entry”, and variations thereof shall be interpreted to refer to registration data as referenced in this Specification.~~

~~1.6.—After the WHOIS Services Sunset Date, the terms in 1.5.7(1) and 1.5.7(2) above, included in Exhibit A and Specifications 11 and 12 will be interpreted as defined in 1.5.7(1) and 1.5.7(2).~~

1.7. **Cooperation with Transition Studies.** If ICANN initiates or commissions a study on the transition of WHOIS Data Directory Services to RDAP Directory Services, Registry Operator shall reasonably cooperate with such study, including by delivering to ICANN or its designee conducting such study, both quantitative and qualitative data related to its experience with its transition from WHOIS Data Directory Services to RDAP Data Directory Services. If the data request is beyond what the Registry Operator collects in the ordinary course of its operations and beyond the data that Registry Operator is required to collect and provide to ICANN org pursuant to this Agreement, Registry Operator should voluntarily cooperate to provide the requested information or provide an explanation to ICANN why the Registry Operator is not able to provide the requested information. The terms of this section do not require Registry Operator to provide data to ICANN that is beyond what Registry Operator is obligated to provide ICANN pursuant to other sections of this Agreement. Any data delivered to ICANN or its designee pursuant to this section that is appropriately marked as confidential pursuant to the

confidentiality provisions of the Agreement shall be treated as Confidential Information of Registry Operator in accordance with the confidentiality provisions of the Agreement, provided that, notwithstanding the Agreement, if ICANN or its designee aggregates and makes anonymous such data, ICANN or its designee may disclose such data to any third party. Following completion of the transition study for which Registry Operator has provided data, ICANN will destroy all data provided by Registry Operator pursuant to this section that has not been aggregated and made anonymous.

1.8. **Policy and Educational Materials.** Registry Operator shall provide a link on the primary website for the TLD (i.e., the website provided to ICANN for publishing on the ICANN website) to a web-page designated by ICANN containing RDDS policy and educational materials.

1.9. ICANN reserves the right to specify alternative formats and protocols approved as “Internet Standards” (as opposed to Informational or Experimental standards) through the applicable IETF processes with respect to registration data. Upon such specification, ICANN shall: (a) work collaboratively with registries and ICANN accredited registrars to define all operational requirements necessary to implement the applicable standard; and (b) if applicable, initiate negotiations to define all reporting requirements (if any), and reasonable service level requirements commensurate with similarly situated services.

1.10. **Publication of Domain Name Registration Data.** Requirements about publication and redaction of registration data are found in Consensus Policies (e.g., Registration Data Policy) or Temporary Policies.

2. **Zone File Access**

2.1. **Third-Party Access**

2.1.1 **Centralized Zone Data Service.** Registry Operator will provide access to zone file data through the Centralized Zone Data Service (“CZDS”) or any successor system that may be nominated by ICANN. Any internet user may register with the CZDS and request access to the zone file data.

2.1.2 **Intentionally Omitted.**

2.1.3 **Intentionally Omitted.**

2.1.4 **Intentionally Omitted.**

2.1.5 **Intentionally Omitted.**

~~2.1.1 **Zone File Access Agreement.** Registry Operator will enter into an agreement with any Internet user, which will allow such user to access an Internet host server or servers designated by Registry Operator and download zone file data. The agreement will be standardized, facilitated and administered by a Centralized Zone Data Access Provider, which may be ICANN or an ICANN designee (the “CZDA Provider”). Registry Operator (optionally through the CZDA Provider) will provide access to zone file data per Section 2.1.3 of this Specification and do so using the file format described in Section 2.1.4 of this Specification. Notwithstanding the foregoing, (a) the CZDA Provider may reject the request for access of any user that does not satisfy the credentialing requirements in Section 2.1.2 of this Specification; (b) Registry Operator may reject the request for access of any user that does not provide correct or legitimate credentials under Section 2.1.2 of this Specification or where Registry Operator reasonably believes will violate the terms of Section 2.1.5. of this Specification; and, (c) Registry Operator may revoke access of any user if Registry Operator has evidence to support that the user has violated the terms of Section 2.1.5 of this Specification.~~

~~2.1.2 **Credentialing Requirements.** Registry Operator, through the facilitation of the CZDA Provider, will request each user to provide it with information sufficient to correctly identify and locate the user. Such user information will include, without limitation, company name, contact name, address, telephone number, facsimile number, email address and IP address.~~

~~2.1.3 **Grant of Access.** Each Registry Operator (optionally through the CZDA Provider) will provide the Zone File SFTP (or other Registry supported) service for an ICANN-specified and managed URL (specifically, <TLD>.zda.icann.org where <TLD> is the TLD for which the registry is responsible) for the user to access the Registry’s zone data archives. Registry Operator will grant the user a non-exclusive, nontransferable, limited right to access Registry Operator’s (optionally CZDA Provider’s) Zone File hosting server, and to transfer a copy of the top-level domain zone files, and any associated cryptographic checksum files no more than once per 24 hour period using SFTP, or other data transport and access protocols that may be prescribed by ICANN. For every zone file access server, the zone files are in the top-level directory called <zone>.zone.gz, with <zone>.zone.gz.md5 and <zone>.zone.gz.sig to verify downloads. If the Registry Operator (or the CZDA Provider) also provides historical data, it will use the naming pattern <zone>yyyymmdd.zone.gz, etc.~~

~~2.1.4 **File Format Standard.** Registry Operator (optionally through the CZDA Provider) will provide zone files using a subformat of the~~

~~standard Master File format as originally defined in RFC 1035, Section 5, including all the records present in the actual zone used in the public DNS. Sub-format is as follows:~~

- ~~1. Each record must include all fields in one line as: <domain-name> <TTL> <class> <type> <RDATA>.~~
- ~~2. Class and Type must use the standard mnemonics and must be in lower case.~~
- ~~3. TTL must be present as a decimal integer.~~
- ~~4. Use of \X and \DDD inside domain names is allowed.~~
- ~~5. All domain names must be in lower case.~~
- ~~6. Must use exactly one tab as separator of fields inside a record.~~
- ~~7. All domain names must be fully qualified.~~
- ~~8. No \$ORIGIN directives.~~
- ~~9. No use of "@" to denote current origin.~~
- ~~10. No use of "blank domain names" at the beginning of a record to continue the use of the domain name in the previous record.~~
- ~~11. No \$INCLUDE directives.~~
- ~~12. No \$TTL directives.~~
- ~~13. No use of parentheses, e.g., to continue the list of fields in a record across a line boundary.~~
- ~~14. No use of comments.~~
- ~~15. No blank lines.~~
- ~~16. The SOA record should be present at the top and (duplicated at) the end of the zone file.~~
- ~~17. With the exception of the SOA record, all the records in a file must be in alphabetical order.~~
- ~~18. One zone per file. If a TLD divides its DNS data into multiple zones, each zone goes into a separate file named as above, with all the files combined using tar into a file called <tld>.zone.tar.~~

~~2.1.5 **Use of Data by User.** Registry Operator will permit user to use the zone file for lawful purposes; provided that (a) user takes all reasonable steps to protect against unauthorized access to, use of, and disclosure of the data, and (b) under no circumstances will Registry Operator be required or permitted to allow user to use the data to (i) allow, enable or otherwise support any marketing activities to entities other than the user's existing customers, regardless of the medium used (such media include but are not limited to transmission by e-mail, telephone, facsimile, postal mail, SMS, and wireless alerts of mass unsolicited, commercial advertising or solicitations to entities); (ii) enable high volume, automated, electronic processes that send queries or data to the systems of Registry Operator or any ICANN-accredited registrar, or (iii) interrupt, disrupt or interfere in the normal business operations of any registrant.~~

2.1.6 **Term of Use.** Registry Operator, through ~~CZDA Provider~~the CZDS, will provide each user with access to the zone file for a period of not less than three (3) months. Registry Operator will allow users to renew their Grant of Access.

2.1.7 **No Fee for Access.** Registry Operator will provide, ~~and CZDA Provider will facilitate~~through the CZDS, access to the zone file to ~~user~~users at no cost.

2.1.8 **Consideration of Zone Access Requests.** Registry Operator, through the CZDS, will provide a response to each request for access to the zone file within seven (7) calendar days.

2.1.9 **Zone File Access Following EBERO.** In the event of the transition of the TLD to an Emergency Backend Registry Operator (EBERO), Registry Operator authorizes the EBERO to take the action to enable the CZDS to auto-approve and auto-renew all zone file access requests.

2.2. **Co-operation**

2.2.1 **Assistance.** Registry Operator will co-operate and provide reasonable assistance to ICANN ~~and the CZDA Provider~~ to facilitate and maintain the efficient access of zone file data by permitted users as contemplated under this Schedule.

2.3. **ICANN Access.** Registry Operator shall provide bulk access to the zone files for the TLD to ICANN or its designee on a continuous basis in the manner ICANN may reasonably specify from time to time. Access will be provided at least daily. Zone files will include SRS data committed as close as possible to 00:00:00 UTC.

~~2.4. **Emergency Operator Access.** Registry Operator shall provide bulk access to the zone files for the TLD to the Emergency Operators designated by ICANN on a continuous basis in the manner ICANN may reasonably specify from time to time.~~

3. Bulk Registration Data Access to ICANN

3.1. **Periodic Access to ~~Thin~~ Registration Data.** In order to verify and ensure the operational stability of Registry Services, analyze the operational stability of the DNS, and facilitate compliance checks on [ICANN](#) accredited registrars, Registry Operator will provide ICANN on a ~~weekly~~[daily](#) basis (~~the day to be designated by ICANN~~) with up-to-date Registration Data as specified below. Data will include data committed as of 00:00:00 UTC on the [previous](#) day ~~previous to the one designated for retrieval by ICANN~~.

On an annual basis, ICANN will publish a summary of the research projects that utilized this data in the preceding year, along with a listing of any organizations the raw data was shared with to conduct the research.

3.1.1 **Contents.** Registry Operator will provide the following data for all registered domain names: ~~domain name, domain name repository object id (roid), Registrar ID (IANA ID), statuses, last updated date, creation date, expiration date, and name server names.~~

(1) [Domain Name](#)

(2) [Registry Domain ID](#)

(3) [Registrar IANA ID](#)

(4) [Domain Status\(es\)](#)

(5) [Updated Date](#)

(6) [Creation Date](#)

(7) [Registry Expiry Date](#)

(8) [Name server\(s\)](#)

For sponsoring registrars Registry Operator will provide: ~~registrar name, registrar id (IANA ID), hostname of registrar WHOIS server (this data element may be omitted after the WHOIS Services Sunset Date), and~~[Registrar name, Registrar IANA ID and Registrar URL](#) ~~of registrar~~. Registry Operator shall not provide any additional data elements.

3.1.2 **Format.** The data will be provided in the format specified in Specification 2 for Data Escrow (including encryption, signing, etc.)

but including only the fields mentioned in the previous section, i.e., the file will only contain ~~Domain~~domain and ~~Registrar~~registrar objects with the fields mentioned above. Registry Operator has the option to provide a full deposit file instead as specified in Specification 2.

3.1.3 **Access.** Registry Operator will have the file(s) ready for download as of 00:00:00 UTC on the day designated for retrieval by ICANN. The file(s) will be made available for download by SFTP, though ICANN may request other means in the future.

3.2. **Exceptional Access to ~~Thick~~ Registration Data.** In case of a registrar failure, deaccreditation, court order, etc. that prompts the temporary or definitive transfer of its domain names to another registrar, at the request of ICANN, Registry Operator will provide ICANN with up-to-date registration data for the domain names of the losing registrar, as specified in Section 3.2.1 below. The data will be provided in the format specified in Specification 2 for Data Escrow. The file will only contain data related to the domain names of the losing registrar. Registry Operator will provide the data as soon as commercially practicable, but in no event later than five (5) calendar days following ICANN's request. Unless otherwise agreed by Registry Operator and ICANN, the file will be made available for download by ICANN in the same manner as the data specified in Section 3.1 of this Specification.

3.2.1 Contents. Registry Operator will provide the following data for all domain names sponsored by the registrar:

- (1) Domain Name
- (2) Registry Domain ID
- (3) Domain Status(es)
- (4) Updated Date
- (5) Creation Date
- (6) Registry Expiry Date
- (7) Name Server(s)

if transferred to Registry Operator:

- (8) Registrant Name
- (9) Registrant Organization
- (10) Registrant Street

- (11) Registrant City
- (12) Registrant State/Province
- (13) Registrant Postal Code
- (14) Registrant Country
- (15) Registrant Email
- (16) Registrant Phone
- (17) Registrant Phone Ext
- (18) Registrant Fax
- (19) Registrant Fax Ext
- (20) Tech Name
- (21) Tech Phone
- (22) Tech Email

SPECIFICATION 5

SCHEDULE OF RESERVED NAMES

Except to the extent that ICANN otherwise expressly authorizes in writing, and subject to the terms and conditions of this Specification, Registry Operator shall reserve the following labels from initial (i.e., other than renewal) registration within the TLD. ~~If using self-allocation, the Registry Operator must show the registration in the RDDS.~~ In the case of IDN names (as indicated below), ~~IDN variants~~[variant second-level names](#) will be identified according to the registry operator IDN registration policy, where applicable.

1. **Example.** The ASCII label “EXAMPLE” shall be withheld from registration ~~or allocated to Registry Operator~~ at the second level and at all other levels within the TLD at which Registry Operator offers registrations (such second level and all other levels are collectively referred to herein as, “All Levels”). Such label may not be activated in the DNS, and may not be released for registration to any person or entity ~~other than Registry Operator~~. Upon conclusion of Registry Operator’s designation as operator of the registry for the TLD, such withheld ~~or allocated~~ label shall be transferred as specified by ICANN. ~~Registry Operator may self-allocate and renew such name without use of an ICANN accredited registrar, which will not be considered Transactions for purposes of Section 6.1 of the Agreement.~~

2. Letter/Letter Two Character ASCII Labels.

- ~~2. Two-character labels.~~ All 2.1. All letter/letter two-character ASCII labels shall be withheld from registration ~~or allocated to Registry Operator~~ at the second level within the TLD. Such labels may not be activated in the DNS, and may not be released for registration to any person or entity other than Registry Operator, provided that such two-character label strings may be released to the extent that

2.1.1 (a) Registry Operator includes a provision in its publicly available registration policy requiring a representation that the registrant of a letter/letter two-character ASCII label will take steps to ensure against misrepresenting or falsely implying that the registrant or its business is affiliated with a government or country-code manager if such affiliation, sponsorship or endorsement does not exist and (b) Registry Operator takes reasonable steps to investigate and respond to any reports from governmental agencies and ccTLD operators of conduct that causes confusion with the corresponding country-code in connection with the use of a letter/letter two-character ASCII domain; provided, further, that in responding to such reports, Registry Operator will not be required to take any action in contravention of applicable law; or

2.1.2 Registry Operator reaches agreement with the related government and country-code manager of the string as specified in the ISO 3166-1

alpha-2 standard. ~~The Registry Operator may also propose the release of these reservations based on its implementation of measures to avoid confusion with the corresponding country codes, subject to approval by ICANN.~~

2.2. Registry Operator may implement a thirty (30) day period in which registration of letter/letter two-character ASCII labels that are country codes, as specified in the ISO 3166-1 alpha-2 standard, will be made exclusively available to the applicable country-code manager or government.

2.3. Upon conclusion of Registry Operator’s designation as operator of the registry for the TLD, all such labels that remain withheld from registration ~~or allocated to Registry Operator~~ shall be transferred as specified by ICANN. ~~Registry Operator may self-allocate and renew such names without use of an ICANN accredited registrar, which will not be considered Transactions for purposes of Section 6.1 of the Agreement.~~

3. **Reservations for Registry Operations.**

3.1. The following ASCII labels must be withheld from registration or allocated to Registry Operator at All Levels for use in connection with the operation of the registry for the TLD: WWW, RDDS and WHOIS. The following ASCII label must be allocated to Registry Operator upon delegation into the root zone at All Levels for use in connection with the operation of the registry for the TLD: NIC. Registry Operator may activate WWW, RDDS and WHOIS in the DNS, but must activate NIC in the DNS, as necessary for the operation of the TLD (in accordance with the provisions of Exhibit A, the ASCII label NIC must be provisioned in the DNS as a zone cut using NS resource records). None of WWW, RDDS, WHOIS or NIC may be released or registered to any person (other than Registry Operator) or third party. Upon conclusion of Registry Operator’s designation as operator of the registry for the TLD all such withheld or allocated names shall be transferred as specified by ICANN. Registry Operator may self-allocate and renew such names without use of an ICANN accredited registrar, which will not be considered Transactions for purposes of Section 6.1 ~~of the Agreement~~. Such domains shall be identified by Registrar ID 9999.

3.1.1 If Exhibit A to the Agreement specifically provides that Registry Operator may offer registration of IDNs, Registry Operator may also activate a language-specific translation or transliteration of the term "NIC" or an abbreviation for the translation of the term "Network Information Center" in the DNS in accordance with Registry Operator’s IDN Tables and IDN Registration Rules. Such translation, transliteration or abbreviation may be reserved by Registry Operator and used in addition to the label NIC to provide any required registry functions. For the avoidance of doubt, Registry Operator is required

to activate the ASCII label NIC pursuant to Section 3.1 of this Specification 5.

- 3.2. Registry Operator may activate in the DNS at All Levels up to one hundred (100) names (plus their ~~IDN-variants~~variant second-level names, where applicable) necessary for the operation or the promotion of the TLD. Registry Operator must act as the Registered Name Holder of such names as that term is defined in the then-current ICANN ~~Registrar Accreditation Agreement (RAA)~~registrar accreditation agreement. These activations will be considered Transactions for purposes of Section 6.1~~-of the Agreement~~. Registry Operator must either (i) register such names through an ICANN accredited registrar; or (ii) self-allocate such names and with respect to those names submit to and be responsible to ICANN for compliance with ICANN Consensus Policies and the obligations set forth in Subsections 3.7.7.1 through 3.7.7.12 of the then-current ~~RAA~~registrar accreditation agreement (or any other replacement clause setting out the terms of the registration agreement between a registrar and a registered name holder). If Registry Operator chooses option (ii) above, it shall identify these transactions using Registrar ID 9998. At Registry Operator's discretion and in compliance with all other terms of this Agreement, including the RPMs set forth in Specification 7, such names may be released for registration to another person or entity.
- 3.3. Registry Operator may withhold from registration ~~or allocate to Registry Operator~~ names (including their ~~IDN-variants~~variant second-level names, where applicable) at All Levels in accordance with Section 2.6~~-of the Agreement~~. Such names may not be activated in the DNS, but may be released for registration to Registry Operator or another person or entity at Registry Operator's discretion, subject to compliance with all the terms of this Agreement, including applicable RPMs set forth in Specification 7. Upon conclusion of Registry Operator's designation as operator of the registry for the TLD, all such names that remain withheld from registration ~~or allocated to Registry Operator~~ shall be transferred as specified by ICANN. Upon ICANN's request, Registry Operator shall provide a listing of all names withheld ~~or allocated to Registry Operator~~ pursuant to Section 2.6~~-of the Agreement~~. ~~Registry Operator may self-allocate and renew such names without use of an ICANN accredited registrar, which will not be considered Transactions for purposes of Section 6.1 of the Agreement.~~
- 3.4. Effective upon the conclusion of the No-Activation Period specified in Section 6.1 of Specification 6, Registry Operator shall allocate the domain name "icann-sla-monitoring.<tld>" to the ICANN testing registrar (as such registrar is described in Section 8.2 of Specification 10). If such domain name is not available for registration in the TLD or is otherwise inconsistent with the registration policies of the TLD, Registry Operator may allocate a different domain name to the ICANN testing registrar in consultation with ICANN. The

allocation of any such alternative domain name will be communicated to ICANN following such consultation. The allocation of the domain name "icann-sla-monitoring.<tld>" to the ICANN testing registrar will not (i) be considered a Transaction for purposes of Section 6.1 ~~of the Agreement~~, (ii) count towards the one hundred domain names available to Registry Operator under Section 3.2 of this Specification 5, or (iii) adversely affect Registry Operator's qualification as a .BRAND TLD pursuant to Specification 13 (.BRAND TLD Provisions) hereto (as applicable).

4. **Country and Territory Names.** The country and territory names (including their ~~IDN variants~~ variant second-level names, where applicable) contained in the following internationally recognized lists shall be withheld from registration ~~or allocated to Registry Operator~~ at All Levels:

- 4.1. the short form (in English) of all country and territory names contained on the ISO 3166-1 list, as updated from time to time, including the European Union, which is exceptionally reserved on the ISO 3166-1 list, and its scope extended in August 1999 to any application needing to represent the name European Union <https://www.iso.org/iso-3166-country-codes.html>;
- 4.2. the United Nations Group of Experts on Geographical Names, Technical Reference Manual for the Standardization of Geographical Names, Part III Names of Countries of the World; and
- 4.3. the list of United Nations member states in 6 official United Nations languages prepared by the Working Group on Country Names of the United Nations Conference on the Standardization of Geographical Names;

provided, that the reservation of specific country and territory names (including their ~~IDN variants~~ variant second-level names according to the registry operator IDN registration policy, where applicable) may be released to the extent that Registry Operator reaches agreement with the applicable government(s). Registry Operator must not activate such names in the DNS; provided, that Registry Operator may propose the release of these reservations, subject to review by ICANN's Governmental Advisory Committee and approval by ICANN. Upon conclusion of Registry Operator's designation as operator of the registry for the TLD, all such names that remain withheld from registration ~~or allocated to Registry Operator shall be transferred as specified by ICANN. Registry Operator may self-allocate and renew such names without use of an ICANN accredited registrar, which will not be considered Transactions for purposes of Section 6.1 of the Agreement.~~

~~5. **International Olympic Committee; International Red Cross and Red Crescent Movement.** As instructed from time to time by ICANN, the names (including their ~~IDN variants~~, where applicable) relating to the International Olympic Committee, International Red Cross and Red Crescent Movement listed at <https://www.icann.org/reserved-names> shall be withheld from registration or~~

~~allocated to Registry Operator at the second level within the TLD. Additional International Olympic Committee, International Red Cross and Red Crescent Movement names (including their IDN variants) may be added to the list upon ten (10) calendar days notice from ICANN to Registry Operator. Such names may not be activated in the DNS, and may not be released for registration to any person or entity other than Registry Operator. Upon conclusion of Registry Operator's designation as operator of the registry for the TLD, all such names withheld from registration or allocated to Registry Operator shall be transferred as specified by ICANN. Registry Operator may self-allocate and renew such names without use of an ICANN-accredited registrar, which will not be considered Transactions for purposes of Section 6.1 of the Agreement.~~

5. Intentionally Omitted.

6. **Acronyms of Intergovernmental Organizations.** ~~As instructed from time to time by ICANN, Registry Operator will implement the protections mechanism determined by the ICANN Board of Directors relating to the protection of identifiers for~~**The identifiers corresponding to acronyms of Intergovernmental Organizations.**~~A list of reserved names for this Section 6 is available at <https://www.icann.org/reserved-names>. Additional names (including their IDN variants) may be added to the list upon ten (10) calendar days notice from ICANN to Registry Operator. Any such protected identifiers for Intergovernmental Organizations identified at <https://www.icann.org/reserved-names-en> shall be withheld from registration, and such names may not be activated in the DNS, and may not be released for registration to any person or entity ~~other than~~. As instructed from time to time by ICANN, Registry Operator shall implement alternative or additional protections for such identifiers. ICANN may permit the release of such identifiers, and will notify Registry Operator of any conditions or mitigation measures to allow for release of the identifiers corresponding to acronyms of Intergovernmental Organizations. Upon conclusion of Registry Operator's designation as operator of the registry for the TLD, all such protected identifiers shall be transferred as specified by ICANN. ~~Registry Operator may self-allocate and renew such names without use of an ICANN accredited registrar, which will not be considered Transactions for purposes of Section 6.1 of the Agreement.~~~~

SPECIFICATION 6

REGISTRY INTEROPERABILITY AND CONTINUITY SPECIFICATIONS

1. Standards Compliance

- 1.1. **DNS.** Registry Operator shall comply with relevant existing RFCs and those published in the future by the Internet Engineering Task Force (IETF), including all successor standards, modifications or additions thereto relating to the DNS and name server operations including without limitation RFCs 1034, 1035, 1123, 1982, 2181, 2182, 3226, 3596, 3597, 4343, 5966 and 6891. DNS labels may only include hyphens in the third and fourth position if they represent valid IDNs (as specified above) in their ASCII encoding (e.g., “xn--ndk061n”).
- 1.2. **EPP.** Registry Operator shall comply with relevant existing RFCs and those published in the future by the Internet Engineering Task Force (IETF) including all successor standards, modifications or additions thereto relating to the provisioning and management of domain names using the Extensible Provisioning Protocol (EPP) in conformance with RFCs 5910, 5730, 5731, 5732 (if using host objects), 5733 ~~and 5734~~ [\(if using contact objects\)](#), [5734](#), [3915 \(if implementing Registry Grace Periods \(RGP\)\)](#), and [8334 \(for managing the Sunrise and Claims Services, as defined in the Trademark Clearinghouse Requirements\)](#). If Registry Operator ~~implements Registry Grace Period (RGP), it will comply with RFC 3915 and its successors.~~ ~~If Registry Operator~~ requires the use of functionality outside the base EPP RFCs, Registry Operator must document [its](#) EPP extensions in Internet-Draft format following the guidelines described in RFC 3735 [and register the extension\(s\) in “Extensions for the Extensible Provisioning Protocol \(EPP\)” IANA registry at <https://www.iana.org/assignments/epp-extensions/epp-extensions.xhtml>](#). Registry Operator will provide and update the relevant documentation of all the EPP Objects and Extensions supported to ICANN prior to deployment.
- 1.3. **DNSSEC.** Registry Operator shall sign its TLD zone files implementing Domain Name System Security Extensions (“DNSSEC”). For the absence of doubt, Registry Operator shall sign the zone file of <TLD> and zone files used for in-bailiwick glue for the TLD’s DNS servers. During the Term, Registry Operator shall comply with RFCs 4033, 4034, 4035, 4509 and their successors, and follow the best practices described in RFC 6781 and its successors. If Registry Operator implements Hashed Authenticated Denial of Existence for DNS Security Extensions, it shall comply with RFC 5155 and its successors. Registry Operator shall accept public-key material from child domain names in a secure manner according to industry best practices. Registry shall also publish in its website the DNSSEC Practice Statements (DPS) describing critical security controls and procedures for key material

storage, access and usage for its own keys and secure acceptance of registrants' public-key material. Registry Operator shall publish its DPS following the format described in RFC 6841. DNSSEC validation must be active and use the IANA DNS Root Key Signing Key set (available at <https://www.iana.org/dnssec/files>) as a trust anchor for Registry Operator's Registry Services making use of data obtained via DNS responses.

- 1.4. **IDN.** If the Registry Operator offers Internationalized Domain Names ("IDNs"), it shall comply with RFCs 5890, 5891, 5892, 5893 and their successors. Registry Operator shall comply with the ICANN IDN Guidelines at <https://www.icann.org/en/topics/idn/implementation-guidelines.htm>, as they may be amended, modified, or superseded from time to time. Registry Operator shall publish and keep updated its IDN Tables and IDN Registration Rules in the IANA Repository of IDN Practices.
- 1.5. **IPv6.** Registry Operator shall be able to accept IPv6 addresses as glue records in its Registry System and publish them in the DNS. Registry Operator shall offer public IPv6 transport for, at least, two of the Registry's name servers listed in the root zone with the corresponding IPv6 addresses registered with IANA. Registry Operator should follow "DNS IPv6 Transport Operational Guidelines" as described in BCP 91 and the recommendations and considerations described in RFC 4472. Registry Operator shall offer in addition to IPv4 transport, public IPv6 transport for its ~~Registration~~ [Data registration data](#) Directory Services as defined in Specification 4 of this Agreement; e.g., WHOIS (RFC 3912), web-based WHOIS, and RDAP. Registry Operator shall offer public IPv6 transport for its Shared Registration System ("SRS") to any ~~Registrar~~ [ICANN accredited registrar](#), no later than six (6) months after receiving the first request in writing from ~~a gTLD~~ [an ICANN accredited Registrar](#) [registrar](#) willing to operate with the SRS over IPv6.
- 1.6. **IANA Rootzone Database.** In order to ensure that authoritative information about the TLD remains publicly available, Registry Operator shall submit a change request to the IANA functions operator updating any outdated or inaccurate DNS, WHOIS or RDAP base URL of the RDAP service records of the TLD. Registry Operator shall use commercially reasonable efforts to submit any such change request no later than seven (7) calendar days after the date any such DNS, WHOIS or RDAP base URL of the RDAP service records becomes outdated or inaccurate. Registry Operator must submit all change requests in accordance with the procedures set forth at <https://www.iana.org/domains/root>.
- 1.7. **Network Ingress Filtering.** Registry Operator shall implement network ingress filtering checks for its Registry Services as described in BCP 38 and BCP 84, which ICANN will also implement.

1.8. Amendments to RFCs and STDs. Notwithstanding anything herein to the contrary, in the event any RFC or Standards (“STD”) referenced in this Agreement is succeeded, amended or otherwise modified, Registry Operator shall comply with such succeeded, amended or modified RFC or STD, as applicable, only upon notice from ICANN and to the extent and within the time period specified by ICANN in such notice.

2. **Registry Services**

- 2.1. **Registry Services.** “Registry Services” are, for purposes of the Agreement, defined as the following: (a) those services that are operations of the registry critical to the following tasks: the receipt of data from registrars concerning registrations of domain names and name servers; provision to registrars of status information relating to the zone servers for the TLD; dissemination of TLD zone files; operation of the registry DNS servers; and dissemination of contact and other information concerning domain name server registrations in the TLD as required by this Agreement; (b) other products or services that the Registry Operator is required to provide because of the establishment of a Consensus Policy as defined in Specification 1; (c) any other products or services that only a registry operator is capable of providing, by reason of its designation as the registry operator; and (d) material changes to any Registry Service within the scope of (a), (b) or (c) above.
- 2.2. **Wildcard Prohibition.** For domain names which are either not registered, or the registrant has not supplied valid records such as NS records for listing in the DNS zone file, or their status does not allow them to be published in the DNS, the use of DNS wildcard Resource Records as described in RFCs 1034 and 4592 or any other method or technology for synthesizing DNS Resources Records or using redirection within the DNS by the Registry is prohibited. When queried for such domain names the authoritative name servers must return a “Name Error” response (also known as NXDOMAIN), RCODE 3 as described in RFC 1035 and related RFCs. This provision applies for all DNS zone files at all levels in the DNS tree for which the Registry Operator (or an affiliate engaged in providing Registration Services) maintains data, arranges for such maintenance, or derives revenue from such maintenance.

3. **Registry Continuity**

- 3.1. **High Availability.** Registry Operator will conduct its operations using network and geographically diverse, redundant servers (including network-level redundancy, end-node level redundancy and the implementation of a load balancing scheme where applicable) to ensure continued operation in the case of technical failure (widespread or local), or an extraordinary occurrence or circumstance beyond the control of the Registry Operator.

Registry Operator’s emergency operations department shall be available at all times to respond to extraordinary occurrences.

- 3.2. **Extraordinary Event.** Registry Operator will use commercially reasonable efforts to restore the critical functions of the registry within twenty-four (24) hours after the termination of an extraordinary event beyond the control of the Registry Operator and restore full system functionality within a maximum of forty-eight (48) hours following such event, depending on the type of critical function involved. Outages due to such an event will not be considered a lack of service availability.
- 3.3. **Business Continuity.** Registry Operator shall maintain a business continuity plan, which will provide for the maintenance of Registry Services in the event of an extraordinary event beyond the control of the Registry Operator or business failure of Registry Operator, and may include the designation of a Registry Services continuity provider. If such plan includes the designation of a Registry Services continuity provider, Registry Operator shall provide the name and contact information for such Registry Services continuity provider to ICANN. In the case of an extraordinary event beyond the control of the Registry Operator where the Registry Operator cannot be contacted, Registry Operator consents that ICANN may contact the designated Registry Services continuity provider, if one exists. Registry Operator shall conduct Registry Services Continuity testing at least once per year.

4. **Abuse Mitigation**

- 4.1. **Abuse Contact.** Registry Operator shall provide to ICANN and publish on its website its accurate contact details including a valid email address or webform and mailing address as well as a primary contact for handling reports related to malicious conduct in the TLD, including DNS Abuse, and will provide ICANN with prompt notice of any changes to such contact details. Upon receipt of such reports, Registry Operator shall provide the reporter with confirmation that it has received the report.

For the purposes of this Agreement, “DNS Abuse” is defined as malware, botnets, phishing, pharming, and spam (when spam serves as a delivery mechanism for the other forms of DNS Abuse listed in this Section) as those terms are defined in Section 2.1 of SAC115

(<<https://www.icann.org/en/system/files/files/sac-115-en.pdf>>).

- 4.2. **DNS Abuse Mitigation.** Where a Registry Operator reasonably determines, based on actionable evidence, that a registered domain name in the TLD is being used for DNS Abuse, Registry Operator must promptly take the appropriate mitigation action(s) that are reasonably necessary to contribute to stopping, or otherwise disrupting, the domain name from being used for DNS Abuse. Such action(s) shall, at a minimum, include: (i) the referral of the

domains being used for the DNS Abuse, along with relevant evidence, to the sponsoring registrar; or (ii) the taking of direct action, by the Registry Operator, where the Registry Operator deems appropriate. Action(s) may vary depending on the circumstances of each case, taking into account the severity of the harm from the DNS Abuse and the possibility of associated collateral damage.

- 4.3. **Malicious Use of Orphan Glue Records.** Registry Operator shall take action to remove orphan glue records (as defined at <https://www.icann.org/en/committees/security/sac048.pdf>) when provided with evidence in written form that such records are present in connection with malicious conduct.

5. **Supported Initial and Renewal Registration Periods**

- 5.1. **Initial Registration Periods.** Initial registrations of registered names may be made in the registry in one (1) year increments for up to a maximum of ten (10) years. For the avoidance of doubt, initial registrations of registered names may not exceed ten (10) years.
- 5.2. **Renewal Periods.** Renewal of registered names may be made in one (1) year increments for up to a maximum of ten (10) years. For the avoidance of doubt, renewal of registered names may not extend their registration period beyond ten (10) years from the time of the renewal.

6. **Name Collision ~~Occurrence~~Risk Management**

- 6.1. ~~No-Activation Period. Registry Operator shall not activate any names in the DNS zone for the Registry TLD (except for "NIC") until at least 120 calendar days after the effective date of this agreement. Registry Operator may allocate names (subject to subsection 6.2 below) during this period only if Registry Operator causes registrants to be clearly informed of the inability to activate names until the No-Activation Period ends.~~ **Intentionally Omitted.**
- 6.2. ~~Name Collision Occurrence Assessment~~ **Intentionally Omitted.**
 - 6.2.1—~~Registry Operator shall not activate any names in the DNS zone for the Registry TLD except in compliance with a Name Collision Occurrence Assessment provided by ICANN regarding the Registry TLD. Registry Operator will either (A) implement the mitigation measures described in its Name Collision Occurrence Assessment before activating any second-level domain name, or (B) block those second-level domain names for which the mitigation measures as described in the Name Collision Occurrence Assessment have not been implemented and proceed with activating names that are not listed in the Assessment.~~

~~6.2.2 Notwithstanding subsection 6.2.1, Registry Operator may proceed with activation of names in the DNS zone without implementation of the measures set forth in Section 6.2.1 only if (A) ICANN determines that the Registry TLD is eligible for this alternative path to activation of names; and (B) Registry Operator blocks all second-level domain names identified by ICANN and set forth at <https://newgtlds.icann.org/en/announcements-and-media/announcement-2-17nov13-en> as such list may be modified by ICANN from time to time. Registry Operator may activate names pursuant to this subsection and later activate names pursuant to subsection 6.2.1.~~

~~6.2.3 The sets of names subject to mitigation or blocking pursuant to Sections 6.2.1 and 6.2.2 will be based on ICANN analysis of DNS information including "Day in the Life of the Internet" data maintained by the DNS Operations, Analysis, and Research Center (DNS-OARC) <https://www.dns-oarc.net/oarc/data/dit/>.~~

~~6.2.4 Registry Operator may participate in the development by the ICANN community of a process for determining whether and how these blocked names may be released.~~

~~6.2.5 If ICANN determines that the TLD is ineligible for the alternative path to activation of names, ICANN may elect not to delegate the TLD pending completion of the final Name Collision Occurrence Assessment for the TLD, and Registry Operator's completion of all required mitigation measures. Registry Operator understands that the mitigation measures required by ICANN as a condition to activation of names in the DNS zone for the TLD may include, without limitation, mitigation measures such as those described in Section 3.2 of the New gTLD Name Collision Occurrence Management Plan approved by the ICANN Board New gTLD Program Committee (NGPC) on 7 October 2013 as found at <https://www.icann.org/en/groups/board/documents/resolutions-new-gtld-annex-1-07oct13-en.pdf>.~~

6.3. Name Collision Report Handling

6.3.1 During the first two years after delegation of the TLD, Registry Operator's emergency operations department shall be available to receive reports, relayed by ICANN, alleging demonstrably severe harm from collisions with overlapping use of the names outside of the authoritative DNS.

6.3.2 Registry Operator shall develop an internal process for handling in an expedited manner reports received pursuant to subsection 6.3.1

under which Registry Operator may, to the extent necessary and appropriate, remove a recently activated name from the TLD zone for a period of up to two years in order to allow the affected party to make changes to its systems.

7. **Allocation of Variant Second-level Names.** Registry Operator shall ensure that a given second-level domain name, and any allocatable variants thereof, is either allocated to the same registrant, or else withheld for possible allocation only to that registrant.

SPECIFICATION 7

MINIMUM REQUIREMENTS FOR RIGHTS PROTECTION MECHANISMS

1. **Rights Protection Mechanisms.** Registry Operator shall implement and adhere to the rights protection mechanisms (“RPMs”) specified in this Specification and shall not operate its TLD in contravention with the intent of such RPMs, as determined by ICANN in its sole discretion. In addition to such RPMs, Registry Operator may develop and implement additional RPMs that discourage or prevent registration of domain names that violate or abuse another party’s legal rights. Registry Operator will include all RPMs required by this Specification 7 and any additional RPMs developed and implemented by Registry Operator in the Registry-Registrar Agreement entered into by ~~ICANN-accredited~~ ICANN accredited registrars authorized to register names in the TLD. Registry Operator shall implement in accordance with requirements set forth therein each of the mandatory RPMs set forth in the Trademark Clearinghouse as of the date hereof, as posted at <https://www.icann.org/en/resources/registries/tmch-requirements> (the “Trademark Clearinghouse Requirements”), which may be revised in immaterial respects by ICANN from time to time. Registry Operator shall not mandate that any owner of applicable intellectual property rights use any other trademark information aggregation, notification, or validation service in addition to or instead of the ICANN-designated Trademark Clearinghouse. If there is a conflict between the terms and conditions of this Agreement and the Trademark Clearinghouse Requirements, the terms and conditions of this Agreement shall control. Registry Operator must enter into a binding and enforceable Registry-Registrar Agreement with at least one ICANN accredited registrar authorizing such registrar(s) to register domain names in the TLD as follows:
 - a. if Registry Operator conducts a Qualified Launch Program or is authorized by ICANN to conduct an Approved Launch Program (as those terms are defined in the Trademark Clearinghouse Requirements), Registry Operator must enter into a binding and enforceable Registry-Registrar Agreement with at least one ICANN accredited registrar prior to allocating any domain names pursuant to such Qualified Launch Program or Approved Launch Program, as applicable;
 - b. if Registry Operator does not conduct a Qualified Launch Program or is not authorized by ICANN to conduct an Approved Launch Program, Registry Operator must enter into a binding and enforceable Registry-Registrar Agreement with at least one ICANN accredited registrar at least thirty (30) calendar days prior to the expiration date of the Sunrise Period (as defined in the Trademark Clearinghouse Requirements) for the TLD; or
 - c. [if this Agreement contains a Specification 13, Registry Operator must enter into a binding and enforceable Registry-Registrar Agreement with at least one ICANN accredited registrar ~~prior to the Claims Commencement Date~~ (as

defined in Specification 13).][**Note to IRT: Subject to further review and revision.**]

Nothing in this Specification 7 shall limit or waive any other obligations or requirements of this Agreement applicable to Registry Operator, including Section 2.9(a) and Specification 9.

2. **Dispute Resolution Mechanisms.** Registry Operator will comply with the following dispute resolution mechanisms as they may be revised from time to time:
 - a. the Trademark Post-Delegation Dispute Resolution Procedure (PDDRP) and the Registration Restriction Dispute Resolution Procedure (RRDRP) adopted by ICANN (posted at <https://www.icann.org/pddrp> and <https://www.icann.org/rrdrp>, respectively). Registry Operator agrees to implement and adhere to any remedies ICANN imposes (which may include any reasonable remedy, including for the avoidance of doubt, the termination of the ~~Registry~~ Agreement pursuant to Section 4.3(e) ~~of the Agreement~~) following a determination by any PDDRP or RRDRP panel and to be bound by any such determination; and
 - b. the Uniform Rapid Suspension system (“URS”) adopted by ICANN (posted at <https://www.icann.org/urs>), including the implementation of determinations issued by URS examiners.

SPECIFICATION 8

~~CONTINUED OPERATIONS INSTRUMENT~~ INTENTIONALLY OMITTED.

- ~~1. The Continued Operations Instrument shall (a) provide for sufficient financial resources to ensure the continued operation of the critical registry functions related to the TLD set forth in Section 6 of Specification 10 to this Agreement for a period of three (3) years following any termination of this Agreement on or prior to the fifth anniversary of the Effective Date or for a period of one (1) year following any termination of this Agreement after the fifth anniversary of the Effective Date but prior to or on the sixth (6th) anniversary of the Effective Date, and (b) be in the form of either (i) an irrevocable standby letter of credit, or (ii) an irrevocable cash-escrow deposit, each meeting the requirements set forth in item 50(b) of Attachment to Module 2 – Evaluation Questions and Criteria – of the gTLD Applicant Guidebook, as published and supplemented by ICANN prior to the date hereof (which is hereby incorporated by reference into this Specification 8). Registry Operator shall use its best efforts to take all actions necessary or advisable to maintain in effect the Continued Operations Instrument for a period of six (6) years from the Effective Date, and to maintain ICANN as a third party beneficiary thereof. If Registry Operator elects to obtain an irrevocable standby letter of credit but the term required above is unobtainable, Registry Operator may obtain a letter of credit with a one-year term and an “evergreen provision,” providing for annual extensions, without amendment, for an indefinite number of additional periods until the issuing bank informs ICANN of its final expiration or until ICANN releases the letter of credit as evidenced in writing, if the letter of credit otherwise meets the requirements set forth in item 50(b) of Attachment to Module 2 – Evaluation Questions and Criteria – of the gTLD Applicant Guidebook, as published and supplemented by ICANN prior to the date hereof; provided, however, that if the issuing bank informs ICANN of the expiration of such letter of credit prior to the sixth (6th) anniversary of the Effective Date, such letter of credit must provide that ICANN is entitled to draw the funds secured by the letter of credit prior to such expiration. The letter of credit must require the issuing bank to give ICANN at least thirty (30) calendar days’ notice of any such expiration or non-renewal. If the letter of credit expires or is terminated at any time prior to the sixth (6th) anniversary of the Effective Date, Registry Operator will be required to obtain a replacement Continued Operations Instrument. ICANN may draw the funds under the original letter of credit, if the replacement Continued Operations Instrument is not in place prior to the expiration of the original letter of credit. Registry Operator shall provide to ICANN copies of all final documents relating to the Continued Operations Instrument and shall keep ICANN reasonably informed of material developments relating to the Continued Operations Instrument. Registry Operator shall not agree to, or permit, any amendment of, or waiver under, the Continued Operations Instrument or other documentation relating thereto without the prior written consent of ICANN (such consent not to be unreasonably withheld).~~

- ~~2. If, notwithstanding the use of best efforts by Registry Operator to satisfy its obligations under the preceding paragraph, the Continued Operations Instrument expires or is terminated by another party thereto, in whole or in part, for any reason, prior to the sixth anniversary of the Effective Date, Registry Operator shall promptly (i) notify ICANN of such expiration or termination and the reasons therefor and (ii) arrange for an alternative instrument that provides for sufficient financial resources to ensure the continued operation of the critical registry functions related to the TLD set forth in Section 6 of Specification 10 to this Agreement for a period of three (3) years following any termination of this Agreement on or prior to the fifth anniversary of the Effective Date or for a period of one (1) year following any termination of this Agreement after the fifth anniversary of the Effective Date but prior to or on the sixth (6) anniversary of the Effective Date (an “Alternative Instrument”). Any such Alternative Instrument shall be on terms no less favorable to ICANN than the Continued Operations Instrument and shall otherwise be in form and substance reasonably acceptable to ICANN.~~
- ~~3. Notwithstanding anything to the contrary contained in this Specification 8, at any time, Registry Operator may replace the Continued Operations Instrument with an Alternative Instrument that (i) provides for sufficient financial resources to ensure the continued operation of the critical registry functions related to the TLD set forth in Section 6 of Specification 10 to this Agreement for a period of three (3) years following any termination of this Agreement on or prior to the fifth anniversary of the Effective Date or for a period one (1) year following any termination of this Agreement after the fifth anniversary of the Effective Date but prior to or on the sixth (6) anniversary of the Effective Date, and (ii) contains terms no less favorable to ICANN than the Continued Operations Instrument and is otherwise in form and substance reasonably acceptable to ICANN. In the event Registry Operator replaces the Continued Operations Instrument either pursuant to paragraph 2 or this paragraph 3, the terms of this Specification 8 shall no longer apply with respect to the original Continuing Operations Instrument, but shall thereafter apply with respect to such Alternative Instrument(s), and such instrument shall thereafter be considered the Continued Operations Instrument for purposes of this Agreement.~~

SPECIFICATION 9

REGISTRY OPERATOR CODE OF CONDUCT

1. In connection with the operation of the registry for the TLD, Registry Operator will not, and will not allow any parent, subsidiary, Affiliate, subcontractor or other related entity, to the extent such party is engaged in the provision of Registry Services with respect to the TLD (each, a “Registry Related Party”), to:
 - a. directly or indirectly show any preference or provide any special consideration to any registrar with respect to operational access to registry systems and related registry services, unless comparable opportunities to qualify for such preferences or considerations are made available to all registrars on substantially similar terms and subject to substantially similar conditions;
 - b. register domain names in its own right, except for names registered through an ICANN accredited registrar; provided, however, that Registry Operator may (a) reserve names from registration pursuant to Section 2.6 ~~of the Agreement~~ and (b) may withhold from registration or allocate to Registry Operator up to one hundred (100) names pursuant to Section 3.2 of Specification 5;
 - c. register names in the TLD or sub-domains of the TLD based upon proprietary access to information about searches or resolution requests by consumers for domain names not yet registered (commonly known as, “front-running”);
or
 - d. allow any Affiliated registrar to disclose Personal Data about registrants to Registry Operator or any Registry Related Party, except as reasonably necessary for the management and operations of the TLD, unless all unrelated third parties (including other registry operators) are given equivalent access to such user data on substantially similar terms and subject to substantially similar conditions.
2. If Registry Operator or a Registry Related Party also operates as a provider of registrar or registrar-reseller services, Registry Operator will, or will cause such Registry Related Party to, ensure that such services are offered through a legal entity separate from Registry Operator, and maintain separate books of accounts with respect to its registrar or registrar-reseller operations.
3. If Registry Operator or a Registry Related Party also operates as a provider of registrar or registrar-reseller services, Registry Operator will conduct internal reviews at least once per calendar year to ensure compliance with this Code of Conduct. Within twenty (20) calendar days following the end of each calendar year,

Registry Operator will provide the results of the internal review, along with a certification executed by an executive officer of Registry Operator certifying as to Registry Operator's compliance with this Code of Conduct, via email to an address to be provided by ICANN. (ICANN may specify in the future the form and contents of such reports or that the reports be delivered by other reasonable means.) Registry Operator agrees that ICANN may publicly post such results and certification; provided, however, ICANN shall not disclose Confidential Information contained in such results except in accordance with Section 7.15 ~~of the Agreement~~.

4. Nothing set forth herein shall: (i) limit ICANN from conducting investigations of claims of Registry Operator's non-compliance with this Code of Conduct; or (ii) provide grounds for Registry Operator to refuse to cooperate with ICANN investigations of claims of Registry Operator's non-compliance with this Code of Conduct.
5. Nothing set forth herein shall limit the ability of Registry Operator or any Registry Related Party, to enter into arms-length transactions in the ordinary course of business with a registrar or reseller with respect to products and services unrelated in all respects to the TLD.
6. Registry Operator may request an exemption to this Code of Conduct, and such exemption may be granted by ICANN in ICANN's reasonable discretion, if Registry Operator demonstrates to ICANN's reasonable satisfaction that (i) all domain name registrations in the TLD are registered to, and maintained by, Registry Operator for the exclusive use of Registry Operator or its Affiliates, (ii) Registry Operator does not sell, distribute or transfer control or use of any registrations in the TLD to any third party that is not an Affiliate of Registry Operator, and (iii) application of this Code of Conduct to the TLD is not necessary to protect the public interest. If such exemption is granted, notwithstanding the requirements of Section 2.8, Section 1 of Specification 7 and Sections 1, 2 and 3 of the Trademark Clearinghouse Requirements, Registry Operator is not required to complete Integration Testing required by Section 1 of the Trademark Clearinghouse Requirements, provide a Sunrise Period or provide Claims Services (each as defined in the Trademark Clearinghouse Requirements) or, except as set forth herein, otherwise comply with the obligations set forth in Sections 1, 2 and 3 of the Trademark Clearinghouse Requirements so long as the TLD continues to be qualified for an exemption to this Code of Conduct. Registry Operator must comply with all other provisions of the Trademark Clearinghouse Requirements.

SPECIFICATION 10

REGISTRY PERFORMANCE SPECIFICATIONS

1. **Definitions**

- 1.1. **DNS.** Refers to the Domain Name System as specified in RFCs 1034, 1035, and related RFCs.
- 1.2. **DNSSEC proper resolution.** There is a valid DNSSEC chain of trust from the root trust anchor to a particular domain name, e.g., a TLD, a domain name registered under a TLD, etc.
- 1.3. **EPP.** Refers to the Extensible Provisioning Protocol as specified in RFC 5730 and related RFCs.
- 1.4. **IP address.** Refers to IPv4 or IPv6 addresses without making any distinction between the two. When there is need to make a distinction, IPv4 or IPv6 is used.
- 1.5. **Probes.** Network hosts used to perform (DNS, EPP, etc.) tests (see below) that are located at various global locations.
- 1.6. **~~Intentionally Omitted~~.**
- 1.7. **RTT.** Round-Trip Time or RTT refers to the time measured from the sending of the first bit of the first packet of the sequence of packets needed to make a request until the reception of the last bit of the last packet of the sequence needed to receive the response. If the client does not receive the whole sequence of packets needed to consider the response as received, the request will be considered unanswered.
- 1.8. **SLR.** Service Level Requirement is the level of service expected for a certain parameter being measured in a Service Level Agreement (SLA).
- 1.9. **RDAP-RDDS.** Refers to the Registration Data Access Protocol (RDAP) Directory Services as defined in Specification 4 of this Agreement.
- 1.10. ~~**WHOIS-RDDS and WHOIS Data Directory Services.** Refers to the collective of WHOIS and web-based WHOIS services as defined in Specification 4 of this Agreement~~ **Intentionally Omitted.**

2. **Service Level Agreement Matrix**

2.1. With respect to the TLD, Registry Operator shall meet or exceed each of the following SLRs related to the DNS, EPP and RDAP-RDDS* services:

	Parameter	SLR (monthly basis)
DNS	DNS service availability	0 min downtime = 100% availability
	DNS name server availability	≤ 432 min of downtime (≈ 99%)
	TCP DNS resolution RTT	≤ 1500 ms, for at least 95% of the queries
	UDP DNS resolution RTT	≤ 500 ms, for at least 95% of the queries
	DNS update time	≤ 60 min, for at least 95% of the probes
EPP	EPP service availability	≤ 864 min of downtime (≈ 98%)
	EPP session-command RTT	≤ 4000 ms, for at least 90% of the commands
	EPP query-command RTT	≤ 2000 ms, for at least 90% of the commands
	EPP transform-command RTT	≤ 4000 ms, for at least 90% of the commands
RDAP-RDDS*	RDAP availability	≤ 864 min of downtime (≈ 98%)
	RDAP query RTT	≤ 4000 ms, for at least 95% of the queries
	RDAP update time	≤ 60 min, for at least 95% of the probes

~~*These SLRs for RDAP-RDDS are not mandatory until the expiration of the RDAP Ramp-Up Period.~~

2.2. Registry Operator is encouraged to do maintenance for the different services at the times and dates of statistically lower traffic for each service. However, note that there is no provision for planned outages or similar periods of unavailable or slow service; any downtime, be it for maintenance or due to system failures, will be noted simply as downtime and counted for SLR measurement purposes.

~~2.3. With respect to the TLD, until the WHOIS Services Sunset Date, Registry Operator shall meet or exceed each of the following SLRs related to the WHOIS Data Directory Services:~~

	Parameter	SLR (monthly basis)
WHOIS-RDDS	WHOIS-RDDS availability	≤ 864 min of downtime (≈ 98%)
	WHOIS-RDDS query RTT	≤ 2000 ms, for at least 95% of the queries
	WHOIS-RDDS update time	≤ 60 min, for at least 95% of the probes

3. **DNS**

3.1. **DNS service availability.** Refers to the ability of the group of listed-as-authoritative name servers of a particular domain name (e.g., a TLD), to answer DNS queries from DNS probes. For the service to be considered available at a particular moment, at least, two of the delegated name servers registered in the DNS must have successful results from “**DNS tests**” to each of their public-DNS registered “**IP addresses**” to which the name server

resolves. If 51% or more of the DNS testing probes see the service as unavailable during a given time, the DNS service will be considered unavailable.

- 3.2. **DNS name server availability.** Refers to the ability of a public-DNS registered “**IP address**” of a particular name server listed as authoritative for a domain name, to answer DNS queries from an Internet user. All the public DNS-registered “**IP address**” of all name servers of the domain name being monitored shall be tested individually. If 51% or more of the DNS testing probes get unanswered results from “**DNS tests**” to a name server “**IP address**” during a given time, the name server “**IP address**” will be considered unanswered.
- 3.3. **UDP DNS resolution RTT.** Refers to the **RTT** of the sequence of two packets, the UDP DNS query and the corresponding UDP DNS response. If the **RTT** is 5 times greater than the time specified in the relevant **SLR**, the **RTT** will be considered unanswered.
- 3.4. **TCP DNS resolution RTT.** Refers to the **RTT** of the sequence of packets from the start of the TCP connection to its end, including the reception of the DNS response for only one DNS query. If the **RTT** is 5 times greater than the time specified in the relevant **SLR**, the **RTT** will be considered unanswered.
- 3.5. **DNS resolution RTT.** Refers to either “**UDP DNS resolution RTT**” or “**TCP DNS resolution RTT**”.
- 3.6. **DNS update time.** Refers to the time measured from the reception of an EPP confirmation to a transform command on a domain name, until the name servers of the parent domain name answer “**DNS queries**” with data consistent with the change made. This only applies for changes to DNS information.
- 3.7. **DNS test.** Means one non-recursive DNS query sent to a particular “**IP address**” (via UDP or TCP). If DNSSEC is offered in the queried DNS zone, for a query to be considered answered, the signatures must be positively verified against a corresponding DS record published in the parent zone or, if the parent is not signed, against a statically configured Trust Anchor. The answer to the query must contain the corresponding information from the Registry System, otherwise the query will be considered unanswered. A query with a “**DNS resolution RTT**” 5 times higher than the corresponding **SLR**, will be considered unanswered. The possible results to a DNS test are: a number in milliseconds corresponding to the “**DNS resolution RTT**” or, unanswered.
- 3.8. **Measuring DNS parameters.** Every minute, every DNS probe will make an UDP or TCP “**DNS test**” to each of the public-DNS registered “**IP addresses**” of the name servers of the domain name being monitored. If a “**DNS test**”

result is unanswered, the tested IP will be considered unavailable from that probe until it is time to make a new test.

- 3.9. **Collating the results from DNS probes.** The minimum number of active testing probes to consider a measurement valid is 20 at any given measurement period, otherwise the measurements will be discarded and will be considered inconclusive; during this situation no fault will be flagged against the SLRs.
- 3.10. **Distribution of UDP and TCP queries.** DNS probes will send UDP or TCP “DNS test” approximating the distribution of these queries.
- 3.11. **Placement of DNS probes.** ICANN will use commercially reasonable efforts to deploy probes for measuring DNS parameters in data centers with carrier grade connectivity in each of the ICANN geographic regions.

4. **RDDS**

4.1. **RDAP-RDDS**

- 4.1.1 **RDAP Availability.** Refers to the ability of the RDAP-RDDS service for the TLD, to respond to queries from an Internet user with appropriate data from the relevant Registry System. If 51% or more of the RDAP testing Probes see the RDAP-RDDS service as unavailable during a given time, the RDAP-RDDS service will be considered unanswered.
- 4.1.2 **RDAP-query RTT.** Refers to the RTT of the sequence of packets from the start of an RDAP-RDDS testing probe’s TCP connection to its end, including the reception of the HTTPS response for only one HTTPS request. If the RTT is 5 times or more the corresponding SLR/performance specifications, the RTT will be considered undefined.
- 4.1.3 **RDAP Update Time.** Refers to the time measured from the receipt of an EPP confirmation to a transform command on a domain name, host or contact, up until at least 51% of the RDAP-RDDS testing Probes detect the changes made.
- 4.1.4 **RDAP test.** Means one query sent to a particular IP address of one of the servers of the RDAP-RDDS service. Queries shall be about existing objects in the Registry System and the responses must contain the corresponding information otherwise the query will be considered unanswered. Queries with an RTT 5 times higher than the corresponding SLR will be considered as unanswered. The possible results to an RDAP test are: a number in milliseconds corresponding to the RDAP-query RTT or unanswered.

- 4.1.5 **Measuring RDAP parameters.** Every 5 minutes, RDAP-RDDS probes will select one IP address from all the public-DNS registered “IP addresses” of the servers of the RDAP-RDDS service of the TLD being monitored and make an “RDAP test”. If an RDAP test result is unanswered, the corresponding RDAP-RDDS service will be considered as unavailable from that Probe until it is time to make a new test.
- 4.1.6 **Collating the results from RDAP-RDDS Probes.** The minimum number of active testing working RDAP-RDDS testing Probes to consider a measurement valid is 10 at any given measurement period, otherwise the measurements will be discarded and will be considered “inconclusive”; during this situation no fault will be flagged against the SLRs.
- 4.1.7 **Placement of RDAP-RDDS Probes.** ICANN will use commercially reasonable efforts to deploy probes for measuring RDAP parameters in data centers with carrier grade connectivity in each of the ICANN geographic regions.

~~4.2. **WHOIS-RDDS.** Until the WHOIS Services Sunset Date, Registry Operator shall comply with the provisions of this Section 4.2.~~

~~4.2.1 **WHOIS-RDDS availability.** Refers to the ability of all the WHOIS-RDDS services for the TLD, to respond to queries from an Internet user with appropriate data from the relevant Registry System. If 51% or more of the WHOIS-RDDS testing probes see any of the WHOIS-RDDS services as unavailable during a given time, the WHOIS-RDDS will be considered unavailable.~~

~~4.2.2 **WHOIS query RTT.** Refers to the RTT of the sequence of packets from the start of the TCP connection to its end, including the reception of the WHOIS response. If the RTT is 5 times or more the corresponding SLR, the RTT will be considered unanswered.~~

~~4.2.3 **Web-based-WHOIS query RTT.** Refers to the RTT of the sequence of packets from the start of the TCP connection to its end, including the reception of the HTTP response for only one HTTP request. If Registry Operator implements a multiple-step process to get to the information, only the last step shall be measured. If the RTT is 5 times or more the corresponding SLR, the RTT will be considered unanswered.~~

~~4.2.4 **WHOIS-RDDS query RTT.** Refers to the collective of “WHOIS query RTT” and “Web-based-WHOIS query RTT”.~~

- ~~4.2.5 **WHOIS-RDDS update time.** Refers to the time measured from the reception of an EPP confirmation to a transform command on a domain name, host or contact, up until the servers of the WHOIS-RDDS services reflect the changes made.~~
- ~~4.2.6 **WHOIS-RDDS test.** Means one query sent to a particular “IP address” of one of the servers of one of the WHOIS-RDDS services. Queries shall be about existing objects in the Registry System and the responses must contain the corresponding information otherwise the query will be considered unanswered. Queries with an RTT 5 times higher than the corresponding SLR will be considered as unanswered. The possible results to an WHOIS-RDDS test are: a number in milliseconds corresponding to the RTT or unanswered.~~
- ~~4.2.7 **Measuring WHOIS-RDDS parameters.** Every 5 minutes, WHOIS-RDDS probes will select one IP address from all the public-DNS registered “IP addresses” of the servers for each WHOIS-RDDS service of the TLD being monitored and make an “WHOIS-RDDS test” to each one. If an “WHOIS-RDDS test” result is unanswered, the corresponding WHOIS-RDDS service will be considered as unavailable from that probe until it is time to make a new test.~~
- ~~4.2.8 **Collating the results from WHOIS-RDDS probes.** The minimum number of active testing probes to consider a measurement valid is 10 at any given measurement period, otherwise the measurements will be discarded and will be considered inconclusive; during this situation no fault will be flagged against the SLRs.~~
- ~~4.2.9 **Placement of WHOIS-RDDS probes.** ICANN will use commercially reasonable efforts to deploy probes for measuring WHOIS-RDDS parameters in data centers with carrier grade connectivity in each of the ICANN geographic regions.~~

5. **EPP**

- 5.1. **EPP service availability.** Refers to the ability of the TLD EPP servers as a group, to respond to commands from the ~~Registry~~[ICANN](#) accredited ~~Registrars~~[registrars](#), who already have credentials to the servers. The response shall include appropriate data from the Registry System. An EPP command with “**EPP command RTT**” 5 times higher than the corresponding SLR will be considered as unanswered. If 51% or more of the EPP testing probes see the EPP service as unavailable during a given time, the EPP service will be considered unavailable.
- 5.2. **EPP session-command RTT.** Refers to the **RTT** of the sequence of packets that includes the sending of a session command plus the reception of the EPP response for only one EPP session command. For the login command it will

include packets needed for starting the TCP session. For the logout command it will include packets needed for closing the TCP session. EPP session commands are those described in section 2.9.1 of EPP RFC 5730. If the **RTT** is 5 times or more the corresponding SLR, the **RTT** will be considered unanswered.

- 5.3. **EPP query-command RTT.** Refers to the **RTT** of the sequence of packets that includes the sending of a query command plus the reception of the EPP response for only one EPP query command. It does not include packets needed for the start or close of either the EPP or the TCP session. EPP query commands are those described in section 2.9.2 of EPP RFC 5730. If the **RTT** is 5 times or more the corresponding SLR, the **RTT** will be considered unanswered.
- 5.4. **EPP transform-command RTT.** Refers to the **RTT** of the sequence of packets that includes the sending of a transform command plus the reception of the EPP response for only one EPP transform command. It does not include packets needed for the start or close of either the EPP or the TCP session. EPP transform commands are those described in section 2.9.3 of EPP RFC 5730. If the **RTT** is 5 times or more the corresponding SLR, the **RTT** will be considered unanswered.
- 5.5. **EPP command RTT.** Refers to “**EPP session-command RTT**”, “**EPP query-command RTT**” or “**EPP transform-command RTT**”.
- 5.6. **EPP test.** Means one EPP command sent to a particular “**IP address**” for one of the EPP servers. Query and transform commands, with the exception of “create”, shall be about existing objects in the Registry System. The response shall include appropriate data from the Registry System. The possible results to an EPP test are: a number in milliseconds corresponding to the “**EPP command RTT**” or unanswered.
- 5.7. **Measuring EPP parameters.** Every 5 minutes, EPP probes will select one “**IP address**” of the EPP servers of the TLD being monitored and make an “**EPP test**”; every time they should alternate between the 3 different types of commands and between the commands inside each category. If an “**EPP test**” result is unanswered, the EPP service will be considered as unavailable from that probe until it is time to make a new test.
- 5.8. **Collating the results from EPP probes.** The minimum number of active testing probes to consider a measurement valid is 5 at any given measurement period, otherwise the measurements will be discarded and will be considered inconclusive; during this situation no fault will be flagged against the SLRs.
- 5.9. **Placement of EPP probes.** ICANN will use commercially reasonable efforts to deploy probes for measuring EPP parameters in data centers with carrier-

grade connectivity and close to ~~Registrar~~ ICANN accredited registrar points of access to the Internet in each ICANN geographic region.

6. **Emergency Thresholds**

- 6.1. The following matrix presents the emergency thresholds that, if reached by any of the services related to DNS, EPP, RDAP-RDDS* and Data Escrow for a TLD, would cause the emergency transition of the Registry for the TLD as specified in Section 2.13 of this Agreement.

Critical Function*	Emergency Threshold
DNS Service	4-hour total downtime / week
DNSSEC proper resolution	4-hour total downtime / week
EPP	24-hour total downtime / week
RDAP-RDDS*	24-hour total downtime / week
Data Escrow	Reaching any of the criteria for the release of deposits described in Specification 2, Part B, Section 6.2 through Section 6.6.

~~*The RDAP-RDDS emergency threshold becomes effective upon expiration of the RDAP Ramp-Up Period.~~

*Any entity, including Registry Operator, that performs Critical Functions must be approved by ICANN.

- ~~6.2. —The following matrix presents the emergency thresholds that, if reached by any of the services related to WHOIS-RDDS for a TLD prior to the expiration of the RDAP Ramp-Up Period would cause the emergency transition of the Registry for the TLD as specified in Section 2.13 of this Agreement~~

Critical Function	Emergency Threshold
WHOIS-RDDS	24-hour total downtime / week

7. **Emergency Escalation**

Escalation is strictly for purposes of notifying and investigating possible or potential issues in relation to monitored services. The initiation of any escalation and the subsequent cooperative investigations do not in themselves imply that a monitored service has failed its performance requirements.

Escalations shall be carried out between ICANN and Registry Operators, ~~Registrars~~ registrars and Registry Operator, and ~~Registrars~~ registrars and ICANN. Registry Operators and ICANN must provide said emergency operations departments. Current contacts must be maintained between ICANN and Registry Operators and published to

~~Registrars~~[registrars](#), where relevant to their role in escalations, prior to any processing of an Emergency Escalation by all related parties, and kept current at all times.

7.1. **Emergency Escalation initiated by ICANN**

Upon reaching 10% of the Emergency thresholds as described in Section 6 of this Specification, ICANN's emergency operations will initiate an Emergency Escalation with the relevant Registry Operator. An Emergency Escalation consists of the following minimum elements: electronic (i.e., email or SMS) and/or voice contact notification to the Registry Operator's emergency operations department with detailed information concerning the issue being escalated, including evidence of monitoring failures, cooperative troubleshooting of the monitoring failure between ICANN staff and the Registry Operator, and the commitment to begin the process of rectifying issues with either the monitoring service or the service being monitoring.

7.2. **Emergency Escalation initiated by Registrars**

Registry Operator will maintain an emergency operations department prepared to handle emergency requests from registrars. In the event that a registrar is unable to conduct EPP transactions with the registry for the TLD because of a fault with the Registry Service and is unable to either contact (through ICANN mandated methods of communication) the Registry Operator, or the Registry Operator is unable or unwilling to address the fault, the registrar may initiate an emergency escalation to the emergency operations department of ICANN. ICANN then may initiate an emergency escalation with the Registry Operator as explained above.

7.3. **Notifications of Outages and Maintenance**

In the event that a Registry Operator plans maintenance, it will provide notice to the ICANN emergency operations department, at least, twenty-four (24) hours ahead of that maintenance. ICANN's emergency operations department will note planned maintenance times, and suspend Emergency Escalation services for the monitored services during the expected maintenance outage period.

If Registry Operator declares an outage, as per its contractual obligations with ICANN, on services under a service level agreement and performance requirements, it will notify the ICANN emergency operations department. During that declared outage, ICANN's emergency operations department will note and suspend emergency escalation services for the monitored services involved.

8. **Covenants of Performance Measurement**

8.1. **No interference.** Registry Operator shall not interfere with measurement **Probes**, including any form of preferential treatment of the requests for the monitored services. Registry Operator shall respond to the measurement tests described in this Specification as it would to any other request from an Internet user (for DNS and RDDS) or registrar (for EPP).

- 8.2. **ICANN testing registrar.** Registry Operator agrees that ICANN will have a testing registrar used for purposes of measuring the **SLRs** described above. Registry Operator agrees to not provide any differentiated treatment for the testing registrar other than no billing of the transactions. ICANN shall not use the registrar for registering domain names (or other registry objects) for itself or others, except for the purposes of verifying contractual compliance with the conditions described in this Agreement. Registry Operator shall identify these transactions using Registrar ID 9997.

SPECIFICATION 11

PUBLIC INTEREST COMMITMENTS

1. Registry Operator will use only ICANN accredited registrars that are party to the Registrar Accreditation Agreement approved by the ICANN Board of Directors on [or after 27 June 2013](#) in registering domain names. A list of such registrars shall be maintained by ICANN on ICANN's website.
2. Registry Operator ~~will operate the registry for the TLD in compliance with all commitments, statements of intent and business plans stated in the following sections of Registry Operator's application to ICANN for the TLD, which commitments, statements of intent and business plans are hereby incorporated by reference into this Agreement. Registry Operator's obligations pursuant to this paragraph~~ agrees to perform the following specific voluntary public interest commitments, which shall be enforceable by ICANN and through the Public Interest Commitment Dispute Resolution Process established by ICANN (posted at <https://www.icann.org/picdrp>), which may be revised in immaterial respects by ICANN from time to time (the "PICDRP"). Registry Operator shall comply with the PICDRP. Registry Operator agrees to implement and adhere to any remedies ICANN imposes (which may include any reasonable remedy, including for the avoidance of doubt, the termination of the ~~Registry Agreement pursuant to Section 4.3(e) of the Agreement~~) following a determination by any PICDRP panel and to be bound by any such determination

[Registry Operator to insert specific application sections here, if applicable]

3. Registry Operator agrees to perform the following specific [mandatory or safeguard public interest commitments \(and together with the specific voluntary public interest commitments set forth in Section 2 above, the "Public Interest Commitments"](#), which commitments shall be enforceable by ICANN and through the Public Interest Commitment Dispute Resolution Process established by ICANN (posted at <https://www.icann.org/picdrp>), which may be revised in immaterial respects by ICANN from time to time (the "PICDRP"). Registry Operator shall comply with the PICDRP. Registry Operator agrees to implement and adhere to any remedies ICANN imposes (which may include any reasonable remedy, including for the avoidance of doubt, the termination of the ~~Registry Agreement pursuant to Section 4.3(e) of the Agreement~~) following a determination by any PICDRP panel and to be bound by any such determination.
 - a. Registry Operator will include a provision in its Registry-Registrar Agreement that requires ~~Registrars~~[registrars](#) to include in their Registration Agreements a provision prohibiting Registered Name Holders from distributing malware, abusively operating botnets, phishing, piracy, trademark or copyright infringement, fraudulent or deceptive practices, counterfeiting or otherwise engaging in activity contrary to applicable law,

and providing (consistent with applicable law and any related procedures) consequences for such activities including suspension of the domain name.

- b. Registry Operator will periodically conduct a technical analysis to assess whether domains in the TLD are being used to perpetrate DNS Abuse. Registry Operator will maintain statistical reports on identified DNS Abuse and the actions taken as a result of the periodic security checks. Registry Operator will maintain these reports for the term of the Agreement unless a shorter period is required by law or approved by ICANN, and will provide them to ICANN upon request.
- c. Registry Operator will operate the TLD in a transparent manner consistent with general principles of openness and non-discrimination by establishing, publishing and adhering to clear registration policies.
- d. Registry Operator of a “Generic String” TLD may not impose eligibility criteria for registering names in the TLD that limit registrations exclusively to a single person or entity and/or that person’s or entity’s “Affiliates” (as defined in Section 2.9(c) ~~of the Registry Agreement~~). “Generic String” means a string consisting of a word or term that denominates or describes a general class of goods, services, groups, organizations or things, as opposed to distinguishing a specific brand of goods, services, groups, organizations or things from those of others.

SPECIFICATION 12

COMMUNITY REGISTRATION POLICIES

1. Registry Operator shall establish, implement, and comply with all registration policies set forth in this Specification 12, which shall be enforceable by ICANN and through the Registry Restrictions Dispute Resolution Procedure (RRDRP) as set forth at <https://www.icann.org/rrdrp>.

2. Registry Operator shall establish procedures for the enforcement of registration policies for the TLD and resolution of disputes concerning compliance with TLD registration policies and shall enforce such registration policies.

3. Registry Operator ~~shall agree to~~ implement and ~~comply with all community registration policies described below and/or attached to~~ be bound by the RRDRP with respect to disputes arising pursuant to Section 2.21 and this Specification 12.

4. Community Registration Policies

[Insert registration policies.]

5. Changes to Community Registration Policies

Registry Operator will seek approval from ICANN before modifying the Community Registration Policies enumerated in this Specification 12 pursuant to the Procedure for Community gTLD Change Requests set forth at <https://www.icann.org/resources/pages/community-gtld-change-requests-en>.

[\[Note: For .BRAND TLDs Only\]](#)

SPECIFICATION 13

.BRAND TLD PROVISIONS

~~The Internet Corporation for Assigned Names and Numbers and [INSERT REGISTRY OPERATOR NAME] (the “Registry Operator”) agree, effective as of __, that this Specification 13 shall be annexed to the parties’ [INSERT REGISTRY AGREEMENT EFFECTIVE DATE] Registry Agreement (“Agreement”) for the [TLD] top-level domain (the “TLD”), and shall continue to apply for so long as the TLD meets the requirements of the definition of a .Brand TLD as set forth herein below.~~

1. If at any time ICANN determines, in its reasonable discretion, that the TLD no longer qualifies as a .Brand TLD, ICANN will provide Registry Operator with written notice of its determination. Registry Operator will have 30 calendar days following the date of delivery of such notice to either (i) meet the requirements of the .Brand TLD definition to ICANN’s reasonable satisfaction, in which case the provisions of this Specification 13 shall continue to apply, or (ii) initiate the dispute resolution proceedings set forth in Article 5 ~~of the Agreement~~ during such thirty (30) calendar day period disputing ICANN’s determination (a “Dispute Proceeding”). If upon expiration of such 30 calendar day period, Registry Operator fails to meet the requirements of the .Brand TLD definition to ICANN’s reasonable satisfaction and has not initiated a Dispute Proceeding pursuant to Article 5 ~~of the Agreement~~, (i) the TLD shall immediately cease to be a .Brand TLD, (ii) Registry Operator shall immediately comply with the provisions of the Agreement as no longer modified by this Specification 13 (other than Section 2 hereof) and (iii) the provisions of this Specification 13 (other than Section 2 hereof) shall thereafter no longer have any effect.
2. If Registry Operator initiates a Dispute Proceeding, there will be no change in the status of the TLD as a .Brand TLD in accordance with this Specification 13 during the pendency of such Dispute Proceeding, so long as Registry Operator otherwise continues to operate the TLD in compliance with the requirements of the definition of a .Brand TLD and this Specification 13, other than with respect to the disputed issue(s). If, following mediation pursuant to Section 5.1 ~~of the Agreement~~, ICANN and Registry Operator reach agreement resolving the Dispute Proceeding, the parties shall implement such agreement. If the dispute is not resolved through mediation, the Dispute Proceeding shall be resolved through a binding arbitration proceeding pursuant to Section 5.2 ~~of the Agreement~~. If upon conclusion of the arbitration proceeding (i) ICANN’s determination is upheld in full by the arbitrator or (ii) ICANN’s determination is upheld in part and overturned in part by the arbitrator and Registry Operator does not commit in writing to comply with the portion of ICANN’s determination that was upheld within 5 days of the date the arbitrator released his or her findings and actually comply with the portion of ICANN’s determination that was upheld within thirty (30) days of the date such findings were released, (a) the TLD shall immediately cease to be a .Brand TLD effective on the date the arbitrator released his or her findings, (b) Registry Operator shall immediately comply with the provisions

of the Agreement as no longer modified by this Specification 13 (other than Section 2 hereof), and (c) the provisions of this Specification 13 (other than Section 2 hereof) shall no longer have any effect as of the date the arbitrator released his or her findings. If, upon conclusion of the arbitration proceeding, ICANN's determination is fully overturned by the arbitrator, then ICANN's determination shall have no effect and the TLD shall remain a .Brand TLD. However, any resolution of a Dispute Proceeding shall not limit or otherwise restrict ICANN's right to subsequently determine, in its reasonable discretion, that the TLD no longer qualifies as a .Brand TLD. The date on which, if any, this Specification 13 (other than Section 2 hereof) no longer has any effect is referred to as the "Disqualification Date."

3. Registry Operator is exempt from complying with the requirements of the Registry Operator Code of Conduct ("Code of Conduct") of Specification 9 ~~to the Agreement~~, notwithstanding the provisions of Section 6 of Specification 9. Any previously issued "Notice of Exemption" respecting the Code of Conduct shall be automatically and immediately void upon the effective date of this Specification 13. Thereafter, the provisions of this Specification 13 shall alone govern any exemption to the Code of Conduct.
4. Trademark Clearinghouse.
 - 4.1 Notwithstanding the requirements of Section 2.8 ~~of the Agreement~~, Section 1 of Specification 7 ~~to the Agreement~~ and ~~Section~~ [Sections 1, 2 and 3](#) of the Trademark Clearinghouse ~~Rights Protection Mechanism~~ Requirements ~~(the "TMCH Requirements")~~, Registry Operator is not required to [complete the Integration Testing required by Section 1 of the Trademark Clearinghouse Requirements](#), provide a Sunrise Period ~~{or provide Claims Services (each~~ as defined in the ~~TMCH~~ [Trademark Clearinghouse](#) Requirements) or, except as set forth herein, otherwise comply with the obligations set forth in ~~Section~~ [Sections 1, 2 and 3](#) of the ~~TMCH~~ [Trademark Clearinghouse](#) Requirements ~~{collectively, the "Sunrise Requirements")~~ so long as the TLD continues to be qualified as a .Brand TLD by ICANN.
 - 4.2 Registry Operator must comply with all other provisions of the ~~TMCH Requirements, including completing the Integration Testing required by Section 1 of the TMCH Requirements and providing the Claims Services required by Section 3 of the TMCH Requirements. Registry Operator will provide ICANN (i) confirmation of completion of Integration Testing and (ii) notice of the start date (the "Claims Commencement Date") and end date for the Claims Period (as defined in the TMCH Requirements) for the TLD, in each case via the customer services portal at <http://myicann.secure.force.com/>. Registry Operator may not Allocate (as defined in the TMCH Requirements) or register a domain name in the TLD (except for "NIC" and self-allocation or registration to itself of domain names pursuant to Section 3.2 of Specification 5) prior to the Claims Commencement Date.~~ [Trademark Clearinghouse Requirements](#).

- 4.3 Registry Operator must comply with the [Sunrise Trademark Clearinghouse](#) Requirements effective as of the Disqualification Date and commence a Sunrise Period within [sixty \(60\)](#) calendar days of the Disqualification Date. If, at the Disqualification Date, the Trademark Clearinghouse or any successor or alternative trademark validation authority appointed by ICANN is not in operation, Registry Operator must implement the [Sunrise Trademark Clearinghouse](#) Requirements through an alternative mechanism developed by Registry Operator that is reasonably acceptable to ICANN. As of the Disqualification Date, Registry Operator may not Allocate or register any additional domain names to third parties prior to the Allocation or registration of all Sunrise Period registrations except as permitted by Section 2.2.4 of the [TMCH Trademark Clearinghouse](#) Requirements. In the event ICANN develops an alternative version of the [TMCH Trademark Clearinghouse](#) Requirements specifically for .Brand TLDs or former .Brand TLDs, Registry Operator agrees to comply with such alternative requirements if such requirements are similar to the [TMCH Trademark Clearinghouse](#) Requirements in effect as of the date hereof as modified by this Specification 13.
5. The second sentence of Section 2.9(a) ~~of the Agreement~~ is superseded by the following:
- Subject to the requirements of Specification 11, Registry Operator must either (i) provide non-discriminatory access to Registry Services to all ICANN accredited registrars that enter into and are in compliance with the ~~registry-registrar~~ [registry-registrar](#) agreement for the TLD; provided that Registry Operator may establish non-discriminatory criteria for qualification to register names in the TLD that are reasonably related to the proper functioning of the TLD, or
- (ii) designate no more than three ICANN accredited registrars at any point in time to serve as the exclusive registrar(s) for the TLD.
6. Section 4.5 ~~of the Agreement~~ is superseded by the following:

4.5 Transition of Registry upon Termination of Agreement.

(a) Upon expiration of the Term pursuant to Section 4.1 or Section 4.2 or any termination of the Agreement pursuant to Section 4.3 or Section 4.4, Registry Operator will provide ICANN or any successor registry operator that may be designated by ICANN for the TLD in accordance with this Section 4.5 with all data (including the data escrowed in accordance with Section 2.3) regarding operations of the registry for the TLD necessary to maintain operations and registry functions that may be reasonably requested by ICANN or such successor registry operator. After consultation with Registry Operator, ICANN shall determine whether or not to transition operation of the TLD to a successor registry operator in its sole discretion and in conformance with the Registry Transition Process; provided, however, that, subject to the terms of this Section 4.5, if the TLD is qualified as a .Brand TLD by

ICANN in accordance with Specification 13 on the date that the Agreement expires or terminates (the “Expiration Date”), ICANN may not delegate the TLD to a successor registry operator for a period of two years following the Expiration Date without Registry Operator’s consent (which shall not be unreasonably withheld, conditioned or delayed), unless ICANN reasonably determines that transitioning operation of the TLD is necessary to protect the public interest.

(b) If ICANN determines, in its reasonable discretion, that transitioning operation of the TLD is necessary to protect the public interest, then ICANN will provide Registry Operator with written notice and a reasonably detailed explanation for its public interest determination. If, within [thirty \(30\)](#) calendar days of receipt of such notice, Registry Operator initiates the dispute resolution proceedings as set forth in Article 5 ~~of the Agreement~~ disputing ICANN’s determination, ICANN will not transition operation of the TLD to a successor registry operator during the pendency of such proceedings. If, following mediation pursuant to Section 5.1 ~~of the Agreement~~, ICANN and Registry Operator reach agreement resolving the dispute, the parties shall implement such agreement. If the dispute is not resolved through mediation, the dispute shall be resolved through a binding arbitration proceeding pursuant to Section 5.2 ~~of the Agreement~~. If, upon conclusion of the arbitration proceeding, ICANN’s determination is not fully overturned by the arbitrator, ICANN may delegate and transition the operation of the TLD to a successor registry operator on or following the date the arbitrator released his or her findings. If, upon conclusion of the arbitration proceeding, ICANN’s determination is fully overturned by the arbitrator, then ICANN may not delegate or transition the operation of the TLD based on ICANN’s determination that such delegation and transition is necessary to protect the public interest.

(c) For the avoidance of doubt, an Emergency Operator will not be considered a successor registry operator for purposes of this Section 4.5. In addition, this Section 4.5 shall not prohibit ICANN from accepting applications for or delegating the TLD pursuant to a future application process for the delegation of top-level domains, subject to any processes and objection procedures instituted by ICANN in connection with such application process intended to protect the rights of third parties. Registry Operator agrees that ICANN may make any changes it deems necessary to the IANA database with respect to the TLD in the event of a transition of the TLD pursuant to this Section 4.5. ~~In addition, ICANN or its designee shall retain and may enforce its rights under the Continued Operations Instrument for the maintenance and operation of the TLD, regardless of the reason for termination or expiration of the Agreement.~~

7. Registry Operator agrees to conduct internal reviews at least once per calendar year to ensure that the TLD meets the requirements of the definition of a .Brand TLD. Within [twenty \(20\)](#) calendar days following the end of each calendar year, Registry Operator will provide ICANN with the results of its internal review(s), along with a certification executed by one of its executive officers certifying that the TLD meets the requirements of the definition of a .Brand TLD. These materials will be submitted to

ICANN via email at globalsupport@icann.org. Registry Operator agrees that ICANN may publicly post the results of Registry Operator's review and certification, but ICANN will keep confidential and not publish any information that is, and that Registry Operator has marked as, Confidential Information, other than in compliance with Section 7.15 ~~of the Agreement~~. ICANN may specify in the future the form and content of these reports or inform Registry Operator that the reports be delivered by other reasonable means.

8. Registry Operator must promptly notify ICANN in writing of any change to the TLD that could cause the TLD to fail to meet the requirements of the definition of a .Brand TLD. In addition, Registry Operator agrees to provide ICANN with any amendment or modification to the registration policies for the TLD that could potentially disqualify the TLD as a .Brand TLD.

9. Definitions.

9.1 "Applicable Brand Registry Agreements" means this Agreement and all other registry agreements that contain this Specification 13 between ICANN and the Applicable Brand Registry Operators.

9.2 "Applicable Brand Registry Operators" means, collectively, the registry operators of top-level domains party to a registry agreement that contains this Specification 13, including Registry Operator.

9.3 ".Brand TLDs" are ~~TLDs~~[top-level domains](#) where:

(i) the TLD string is identical to [\[Note: The following language is applicable to String Change .BRAND TLDs only; or contains the textual elements that are identical to\]](#), the textual elements protectable under applicable law, of a registered trademark valid under applicable law, which registered trademark:

- a. is recorded with, and issued a signed data mark file by, the Trademark Clearinghouse or any successor or alternative trademark validation authority appointed by ICANN, if such trademark meets the eligibility requirements of such validation authority (provided that Registry Operator is not required to maintain such recordation for more than one year);
- b. is owned and used by the Registry Operator or its Affiliate in the ordinary course of Registry Operator's or its Affiliates' business in connection with the offering of any of the goods and/or services claimed in the trademark registration;
- c. was issued to Registry Operator or its Affiliate prior to the filing of its ~~TLD~~-registry application with ICANN;

- d. is used throughout the Term continuously in the ordinary course of business of Registry Operator or its Affiliate in connection with the offering of any of the goods and/or services identified in the trademark registration;
 - e. does not begin with a period or a dot; and
 - f. is used by Registry Operator or its Affiliate in the conduct of one or more of its businesses that are unrelated to the provision of ~~TLD~~ Registry Services; and
- (ii) only Registry Operator, its Affiliates or Trademark Licensees are registrants of domain names in the TLD and control the DNS records associated with domain names at any level in the TLD;
 - (iii) the TLD is not a Generic String TLD (as defined in Specification 11); and
 - (iv) Registry Operator has provided ICANN with an accurate and complete copy of such trademark registration.

9.4 “Brand Registry Operator Approval” means the receipt of each of the following: (i) the affirmative approval of the Applicable Brand Registry Operators whose payments to ICANN accounted for two-thirds of the total amount of fees (converted to U.S. dollars, if applicable, at the prevailing exchange rate published the prior day in the U.S. Edition of the Wall Street Journal for the date such calculation is made by ICANN) paid to ICANN by all the Applicable Brand Registry Operators during the immediately previous calendar year pursuant to the Applicable Brand Registry Agreements, and (ii) the affirmative approval of a majority of the Applicable Brand Registry Operators at the time such approval is obtained. For the avoidance of doubt, with respect to clause (ii), each Applicable Brand Registry Operator shall have one vote for each top-level domain operated by such Registry Operator pursuant to an Applicable Brand Registry Agreement.

9.5 “Trademark Licensee” means any corporation, partnership, limited liability company or similar legal entity (and not a person) that has a written trademark license agreement with Registry Operator or its Affiliate, for use of the same registered trademark ~~owned by Registry Operator or its Affiliate, the textual elements of which correspond exactly to the .Brand TLD string operated by Registry Operator~~ referenced in Section 9.3, where:

- (i) such license is valid under applicable law;
- (ii) such license is for the use of such trademark in the regular course of that entity’s business outside of the provision of ~~TLD~~ Registry Services, and is not primarily for the purpose of enabling registration or use of domain names in the TLD;

- (iii) such trademark is used continuously in that entity's business throughout the Term; and
- (iv) the domain names in the TLD registered to the Trademark Licensee are required to be used for the promotion, support, distribution, sales or other services reasonably related to any of the goods and/or services identified in the trademark registration.
10. ~~Except as specifically provided for in this Specification 13, all other provisions of the Agreement will continue to apply. All capitalized terms not defined in this Specification 13 shall have the meaning given to them in the Agreement.~~Intentionally omitted.
11. Notwithstanding Sections 7.6 and 7.7 ~~of the Agreement~~, if any amendment contemplated by Section 7.6 or 7.7 ~~of the Agreement~~ (other than bilateral amendments between ICANN and Registry Operator and Board Amendments) would, if effective, amend the express terms of this Specification 13, such amendment shall not amend the express terms of this Specification 13 unless such amendment also receives Brand Registry Operator Approval. For the avoidance of doubt, (i) nothing in this Section 11 of this Specification 13 shall restrict ICANN and Registry Operator from entering into bilateral amendments and modifications to this Specification 13 or any other provision of the Agreement, (ii) the requirements of this Section 11 of this Specification 13 shall not apply to any Board Amendment or otherwise restrict the adoption of Board Amendments pursuant to Section 7.6 ~~of the Agreement~~, and (iii) if any amendment does not receive the required Registry Operator Approval under Section 7.6 or 7.7 ~~of the Agreement~~, as applicable, the terms of this Specification 13 shall not be amended by such amendment even if such amendment receives Brand Registry Operator Approval.

~~IN WITNESS WHEREOF, the parties hereto have caused this Specification 13 to be executed by their duly authorized representatives as of the effective date of this Specification 13 first stated above.~~

~~**INTERNET CORPORATION FOR ASSIGNED NAMES AND NUMBERS**~~

By: _____
Name:
Title:

~~**[INSERT REGISTRY OPERATOR NAME]**~~

By: _____
Name:
Title:

[Note: For TLDs with Variants Only]

SPECIFICATION 14

VARIANT TLDs

1. Definitions.

- 1.1. “Root Zone Label Generation Rules” or “RZ-LGR” are the set of rules that determine valid internationalized top-level domain names and their variant names published at <https://icann.org/rz-lgr>, as may be updated by ICANN from time to time.
- 1.2. “Primary TLD” is the top-level domain identified in Paragraph 1.1 of Article 1 of this Agreement.
- 1.3. “Variant TLD(s)” are the following top-level domain whose DNS label is a variant of the Primary TLD’s DNS label, as determined by the RZ-LGR:
 - 1.3.1 [include each approved variant TLD here]
- 1.4. “TLD Set” is the Primary TLD and the Variant TLD(s).

2. Requirements for TLD Set.

- 2.1. **Maintenance of the Primary TLD and the TLD Set.** The Primary TLD must remain the Primary TLD and the designation of the Primary TLD cannot be changed. Each reference to “TLD” in the Agreement shall refer to each of the Primary TLD and Variant TLD(s) individually and this Agreement shall apply in full force and effect to each Primary TLD and Variant TLD(s) as though each individually had its own registry agreement.
- 2.2. **Critical Functions and Material Subcontracting Arrangements.** The same entity shall perform the same Critical Function(s) (as identified in Section 6 of Specification 10) for each TLD within the TLD Set.
- 2.3. **Change of Control; Assignment and Changes to Material Subcontracting Arrangements.** In the event of an assignment, a direct or indirect change of control or a Material Subcontracting Arrangement pursuant to Section 7.5, any such assignment, change of control or Material Subcontracting Arrangement, as applicable, shall apply to all TLDs in the TLD Set.
- 2.4. **Registry Services.** Unless otherwise mutually agreed to, all Registry Services shall be offered for all TLDs in the TLD Set, and in the same manner for each TLD.

- 2.5. **Delegation of the TLD Set.** Registry Operator shall complete all testing and procedures for delegation for all the TLDs in the TLD Set within the time frame specified in Section 4.3(b); provided however that, if Registry Operator fails to complete all testing and procedures for delegation (i) for any Variant TLD, then such Variant TLD shall be removed from the TLD Set or (ii) for the Primary TLD, then each TLD within the TLD Set shall be deemed to have failed and ICANN may terminate the Agreement pursuant to Section 4.3(b).
- 2.6. **Data Escrow.** Registry Operator shall engage with the same Escrow Agent for all TLDs in the TLD Set in accordance with Specification 2.
- 2.7. **Zone File Access.** Zone file data provided by the Registry Operator pursuant to Section 2 of Specification 4 shall include a separate zone file for each TLD in the TLD Set.
- 2.8. **Emergency Thresholds.** If any one of the events set forth in (i) through (v) of Section 2.13 has occurred such that an emergency transition is required for any TLD in the TLD Set, then each TLD within the TLD Set shall be deemed to require an emergency transition and shall be subject to Section 2.13.
- 2.9. **Renewal.** If any one of the events set forth in Section 4.2(a) has occurred such that the Agreement shall, upon notice to Registry Operator, terminate at the expiration of the then-current Term required for any TLD in the TLD Set, then each TLD within the TLD Set shall be deemed to have reached the same non-renewal threshold.
- 2.10. **Termination.** If any one of the events for termination set forth in Section 4.3 has occurred such that ICANN may exercise its right to terminate the Agreement for any TLD in the TLD Set, then each TLD within the TLD Set shall be deemed to have reached the same termination event.
- 2.11. **Transition of Registry upon Termination of Agreement.** In the event that this Agreement is terminated and any TLD in the TLD Set is removed from the root zone pursuant to Section 4.5, then each TLD within the TLD Set shall also be removed and in the event any TLD is transitioned to a successor registry operator, then each TLD within the TLD Set shall be transitioned to the same such successor registry operator.
- 2.12. **Voluntary Removal and Revocation of Variant TLDs.** Registry Operator may request to remove one or more Variant TLD(s) from the TLD Set. In the event that domain name registrations exist at the second-level under the delegated Variant TLD(s), such request must include a transition plan for the existing domain name registrations under the Variant TLD(s) to be submitted to ICANN for its review and approval. If an amendment to this Agreement removes a Variant TLD that is delegated in the root zone, then that Variant TLD alone shall be removed from the root zone. All other TLDs in the TLD Set

shall remain delegated. If no Variant TLDs remain, the provisions of this Specification 14 shall thereafter no longer have any effect.

2.13. **[Fees.]**[Note to IRT: Section to be added.]

2.14. **Allocation of Variant Second-Level Names.** Section 7 of Specification 6 shall apply across all TLDs in the TLD Set.

2.15. **[Voting.]**[Note to IRT: Section to be added.]

2.16. **[Specification 13.]**[Note to IRT: Section to be added.]