IDN Requirements and Questions

A Main RSP may apply to support IDN services based on support for variant TLDs and support for variant IDNs in the second-level. IDN services are denoted by three support levels:

Level 1	IDNs offered at the second-level will have no variant management.
Level 2	The RSP may manage variant IDNs in the second-level and will not support variant TLDs.
Level 3	The RSP may manage variant IDNs in the second-level and may support variant TLDs.

An applicant will only be allowed to select one IDN support level, and applicants will be required to select IDN language/script pairs from a pre-defined catalog. The catalog contains all languages/scripts covered in [Reference LGRs for the Second-Level](#) and languages covered by the [RZ-LGR set](#). For all other languages and scripts, applicants will be able to apply for these usages through the IDN Service request once a gTLD has been delegated. For each language/script pair selected, applicants will be required to upload an applicable IDN table in RFC 7940 format.

Applicants will be required to answer technical questions appropriate to the level of service selected.

1. Level 1 Questions

Provide answers to the following:

a. Does or will the RSP implement the [IDN Guidelines 4.1](#)?

- Answer format: Yes or No.

b. Describe the software architecture, systems dependencies, data flow with the registry, and logical systems interconnections for supporting the following: a) IDN validation with IDNA2008, b) IDN tables, c) IDN provisioning via EPP, and d) datastore capabilities.

- Answer format: free text of no more than 6000 characters (approx. 2 pages).
- This answer must include diagrams in either PNG, JPG, or PDF format.

2. Level 2 Questions

Provide answers to the following:

a. Does or will the RSP implement the [IDN Guidelines 4.1](#)?

○ Answer format: Yes or No.

b. Describe the software architecture, systems dependencies, data flow with the registry, and logical systems interconnections for supporting the following: a) IDN validation with IDNA2008, b) IDN tables, c) IDN provisioning via EPP, and d) datastore capabilities.

○ Answer format: free text of no more than 6000 characters (approx. 2 pages).
○ This answer must include diagrams in either PNG, JPG, or PDF format.

c. Describe the software architecture, systems dependencies, data flow within the registry, and logical systems interconnections for supporting variant IDNs at the second-level. This information should include a) the method(s) used to calculate variants, b) registration lifecycle of variants including primary/source names, c) lookup of IDN variants in RDAP, and d) variant management in EPP.

○ Answer format: free text of no more than 6000 characters (approx. 2 pages).
○ This answer must include diagrams in either PNG, JPG, or PDF format.

d. Describe how compliance will be achieved for second-level variant labels that arise from a registration based on a second-level IDN table where all allocatable variant labels in the set must only be allocated to the same entity or withheld for possible allocation only to that entity (e.g., all allocatable second-level labels {s1, s1v1, …} under the TLD.

Note: if the RSP will support a minimal registration data set as defined in the Registration Data Consensus Policy for gTLDs, please explain how this RSP will comply with the requirement in this section for minimal and full registration data sets. A contractual control may be acceptable to comply with this section in case of a minimal registration data set.

○ Answer format: free text of no more than 6000 characters (approx. 2 pages).

3. Level 3 Questions

Provide answers to the following:

a. Does or will the RSP implement the IDN Guidelines 4.1?

○ Answer format: Yes or No.

b. Describe the software architecture, systems dependencies, data flow with the registry, and logical systems interconnections for supporting the following: a) IDN validation with IDNA2008, b) IDN tables, c) IDN provisioning via EPP, and d) datastore capabilities.

○ Answer format: free text of no more than 6000 characters (approx. 2 pages).
○ This answer must include diagrams in either PNG, JPG, or PDF format.

c. Describe the software architecture, systems dependencies, data flow within the registry, and logical systems interconnections for supporting variant IDNs at the second-level under all allocated variant TLD labels. This information should include a) the method(s) used to calculate variants, b) registration lifecycle of variants including primary/source names under all allocated variant TLD labels, c) lookup of IDN variants in RDAP, and d) variant management in EPP.

   ○ Answer format: free text of no more than 6000 characters (approx. 2 pages).
   ○ This answer must include diagrams in either PNG, JPG, or PDF format.

d. Does or will this RSP support different set IDN tables under different variant TLDs (see 25.8 of the Final Report on the new gTLD Subsequent ProceduresPolicy Development Process)? For example, offering Spanish and Portuguese in TLD A, and only Spanish for TLD B, and TLD B is a variant of TLD A.

   ○ Answer format: Yes or No.

e. Describe how this RSP's implementation will comply with the following: For second-level variant labels that arise from a registration based on a second-level IDN table, all allocatable variant labels in the set must only be allocated to the same entity or withheld for possible allocation only to that entity (e.g., all allocatable second-level labels {s1, s1v1, …} under all allocated variant TLD labels.

   Note: if the RSP will support a minimal registration data set as defined in the Registration Data Consensus Policy for gTLDs, please explain how this RSP will comply with the requirement in this section for minimal and full registration data sets. A contractual control may be acceptable to comply with this section in case of a minimal registration data set.

   ○ Answer format: free text of no more than 6000 characters (approx. 2 pages).