

## draft-gould-idn-table: Purpose

- Created to resolve concerns with draft-ietf-idnmap
  - Provide a query interface to determine the IDN table identifier
  - Handle in-band within EPP
- Provide a Query Mapping to
  - Validate the IDN Domain Name against Server IDN Policies
  - Return Whether the IDN Extension is Needed
  - Return the Matching Set of Table Identifiers
  - Return the IDN Table Information
  - Return the List of Table Identifiers

# draft-gould-idn-table: Description

- Standards Track [Internet Draft](#)
- IDN Table Object Mapping Extension with
  - Check Command and Response
    - Domain Check Form
    - Table Check Form
  - Info Command and Response
    - Domain Info Form
    - Table Info Form
    - List Info Form

# draft-gould-idn-table: Example Domain Form Check Response

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
  <response>
    <result code="1000">
      <msg>Command completed successfully</msg>
    </result>
    <resData>
      <idnTable:chkData
        xmlns:idnTable="urn:ietf:params:xml:ns:idnTable-1.0">
        <idnTable:domain>
          <idnTable:name valid="true">
            idn1.example</idnTable:name>
          <idnTable:table>CHI</idnTable:table>
        </idnTable:domain>
        <idnTable:domain>
          <idnTable:name valid="true" idnmap="true">
            idn2.example</idnTable:name>
          <idnTable:table>CHI</idnTable:table>
          <idnTable:table>JPN</idnTable:table>
        </idnTable:domain>
        <idnTable:domain>
          <idnTable:name valid="false">
            idn3.example</idnTable:name>
          <idnTable:reason>Commingled scripts
          </idnTable:reason>
        </idnTable:domain>
      </idnTable:chkData>
    </resData>
    ...
  </epp>
```

# draft-gould-idn-table: Example Table Form Info Response

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:ietf:params:xml:ns:epp-1.0">
...
  <idnTable:infData
    xmlns:idnTable="urn:ietf:params:xml:ns:idnTable-1.0">
    <idnTable:table>
      <idnTable:name>CHI</idnTable:name>
      <idnTable:type>language</idnTable:type>
      <idnTable:description lang="en">Chinese (CHI)
      </idnTable:description>
      <idnTable:upDate>2015-02-04T09:30:00.0Z
      </idnTable:upDate>
      <idnTable:version>1.0</idnTable:version>
      <idnTable:effectiveDate>2014-11-24
      </idnTable:effectiveDate>
      <idnTable:variantGen>>true</idnTable:variantGen>
      <idnTable:url>
https://www.iana.org/domains/idn-tables/tables/tld\_chi\_1.0.txt
      </idnTable:url>
    </idnTable:table>
  </idnTable:infData>
...
</epp>
```

## draft-gould-idn-table: Recommendation

- draft-gould-idn-table is paired with draft-ietf-idnmap
  - Both are standards track
  - draft-gould-idn-table addresses a key draft-ietf-idnmap issue
- Either
  - Have draft-gould-idn-table move with draft-ietf-idnmap
  - Have draft-gould-idn-table be in next group of EPPEXT documents