1. Introduction – Cover the Registry Mapping Framework
   a. Purpose of the Registry Mapping
      i. Provide a new EPP object that defines the registry system and registry zone (TLD) services and policies.
      ii. Command / Response extensions can be created of the Registry object to define new policies.
      1. These can be at the Registry level or at a Registry Zone level.
   b. Purpose the Policy Extensions of the Registry Mapping
      i. Framework for defining the policy information (implemented MAYs, SHOULDs, and options) associated with EPP extensions.
      ii. Concrete examples include:
         1. Launch Phase Policy
         2. Registry Fee Policy Extension

2. Makeup of the Registry Mapping
   a. Registry Mapping and Extension Structure
      i. The class diagram reflects the structure of the Registry Mapping and the Command / Response Extensions.
      ii. The Structure includes the following classes and relationships
         1. The Registry Mapping defines the Registry Object that consists of the following attributes:
            a. System policies that consist of the connection or transport policies (maximum connections and timeouts)
            b. Zone (TLD) policies that includes two forms
               i. Zone list authorized to the client.
               ii. Individual zone policy.
            c. Registry Mapping includes RFC Object policies (Domain, Host, and Contact)
            d. Registry Mapping includes RFC Command / Response Extension policies (DNSSEC and RGP)
   b. Detailed elements included in Registry Mapping
      i. System-level
         1. maxConnections, idleTimeout, absoluteTimeout, commandTimeout, transLimit
      ii. Zone-level
         1. Deployment groups
         2. EPP services
         3. Management information (created/updated dates, created/updated clients)
         4. Batch jobs
         5. Shared object zones
         6. Domain policies
            a. Domain name rules
            b. IDN
            c. Domain contact
            d. Name server
            e. Child host
            f. Registration periods
            g. RGP periods
            h. DNSSEC
            i. Domain check policy
7. Host policies
   a. Internal hosts
      i. IP rules
      ii. Share policy
      iii. IP uniqueness
   b. External hosts
      i. IP rules
      ii. Share policy
      iii. IP uniqueness
   c. Host check policy
   d. Host name rules
   e. Supported statuses

8. Contact
   a. Contact Identifier rules
   b. Share policy
   c. Postal info rules
   d. Contact check policy
   e. Disclosure support policy
   f. Supported statuses
   g. Privacy / proxy contact supported

   c. Inputs provided by REGEXT members publically and privately
      i. Patrick Mevzek

1. Potential relevant content:
   a. Attributes of zones including:
      i. Rules on allowed domain names
      ii. Number/type of objects
      iii. Policies on unlinked object deletions
   b. EPP transport content:
      i. Number of connections (soft and hard limits)
      ii. Timeouts
      iii. NOTE – This has been added to the I-D version
   c. Registrar content:
      i. Password policies (lifetime of password, complexity rules, sets/classes of characters allowed and their use, minimum and maximum length)

2. Name of extension, where Registry Mapping is not distinctive enough. Other alternatives include “Policy Mapping” or “Zone Metadata Mapping”

3. May want to consider how to leverage LGR documents in place of domain name syntax rule.
   ii. Antoin Verschuren
1. Should Key Relay Mapping (RFC 8063) be included in the Registry Mapping?

3. Launch Phase Policy Extension
   a. Extends the Registry Zone to include the launch phase policies based on the MAYs, SHOULDs and options implemented in RFC 8334.
   b. Policies include per phase policy
      i. Type
      ii. Name
      iii. Mode (fcfs, pending-registration, pending-application)
      iv. Start date / End date
      v. Supported Validators
      vi. Supported Launch Phase Statuses
      vii. Pending Create used
      viii. Poll message policy
      ix. Supported mark validation models
      x. Maximum marks per domain
      xi. Signed marks supported
      xii. Encoded signed marks supported
      xiii. Check forms (claims, availability, trademark) supported
      xiv. Create forms (sunrise, claims, general, mixed) supported
      xv. Validation of create type policy