Verification Extension for the Extensible Provisioning Protocol (EPP) Contact / Domain Name Mapping

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Verification issue got community concerns

- Verification Code Extension for the Extensible Provisioning Protocol (EPP), J Gould
  - Verification Code for marking the data for a transform command as being verified by a 3rd party
- Extensible Provisioning Protocol (EPP) China Name Verification Mapping, X Jiagui, J Gould
  - provisioning and management of Name Verification stored in a shared central repository
Key factors in verification process from local practice

- According to the verification practice from CNNIC and ZDNS since 2009, the key factors are extracted as follows:
  - **Time Sensitivity**
    - Verification service time-cost impacts the SLA of registrar and registry
  - **Transparency**
    - Public Access to verification status and time-cost (through EPP or Whois)
  - **Multiple interactions and state descriptions**
    - Inconsistency between applied documentation and verification rule
    - Name holder, documentation timeliness, registration rules change during a domain name life-cycle
  - **Integrity of Historical records**
Extension for EPP Contact/DomainName Mapping

• To offer detailed verification statuses which are employed in practice to indicate the process under any given verification framework.

• EPP should be extended accordingly to be in alignment with the verification status indication.
Extension for EPP Contact/Domain Name Mapping

Object Attributes

- **Contact**
  - Distinction Type
    - verified
    - blocked
    - unverified
  - Verification Status
    - unverified
    - pending
    - pass
    - failed
  - dates & times
  - client identifier

- **Domain Name**
  - Distinction Type
    - reserved
    - prohibited

EPP Command Mapping

- **EPP Query Commands**
  - EPP <check> Command
  - EPP <info> Command
  - EPP <transfer> Command

- **EPP Transform Commands**
  - EPP <create> Command
  - EPP <delete> Command
  - EPP <renew> Command
  - EPP <transfer> Command
  - EPP <update> Command

Transparent to the user
The next step

- Expand the local ccTLD/gTLD practice
  - Test and cooperation with global TLD registries and local VSPs

- More status might be needed to describe a universal / adaptive process to different VSP practices.

- Correspondingly, EPP commands might be extended further to catch up with varied VSP practice.
Thanks
Q&A