Registry Lock -
What’s The Standard?
Registration Operations Workshop #8 - 9 May 2019

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What is registry lock?

- **Protocol element - Defined in EPP since 2004 (2001)**
  - Use of 1 or more of the following registry domain, host, and contact statuses
    - serverDeleteProhibited
    - serverHold
    - serverRenewProhibited
    - serverTransferProhibited
    - serverUpdateProhibited

- **Security Service**
  - Bundle of 1 or more registry statuses for 1 or more of domain, host, or contact objects
  - Establishes a relationship between the registry and the registrant

- **A popular response to DNSpionage**
  - Root cause is a credential management problem
  - DNS and other registration data changes were the consequence
What Should Be Standardized?

● What problem are we trying to solve?
  ○ gTLD vs ccTLD

● Which protocol elements should be part of the “security” bundle?
  ○ serverTransferProhibited and serverUpdateProhibited are good candidates
  ○ Probably don’t want to include serverHold and serverRenewProhibited

● Should the registry interact with the registrant directly?
  ○ gTLD Policies today would suggest no
  ○ Credential management is an issue and security is enhanced with fewer actors

● Impact of automation
  ○ Credential management is an issue
  ○ Automated and Manual have different security characteristics, e.g., threat vectors